

# DRUG & CHEMICAL MARKETS

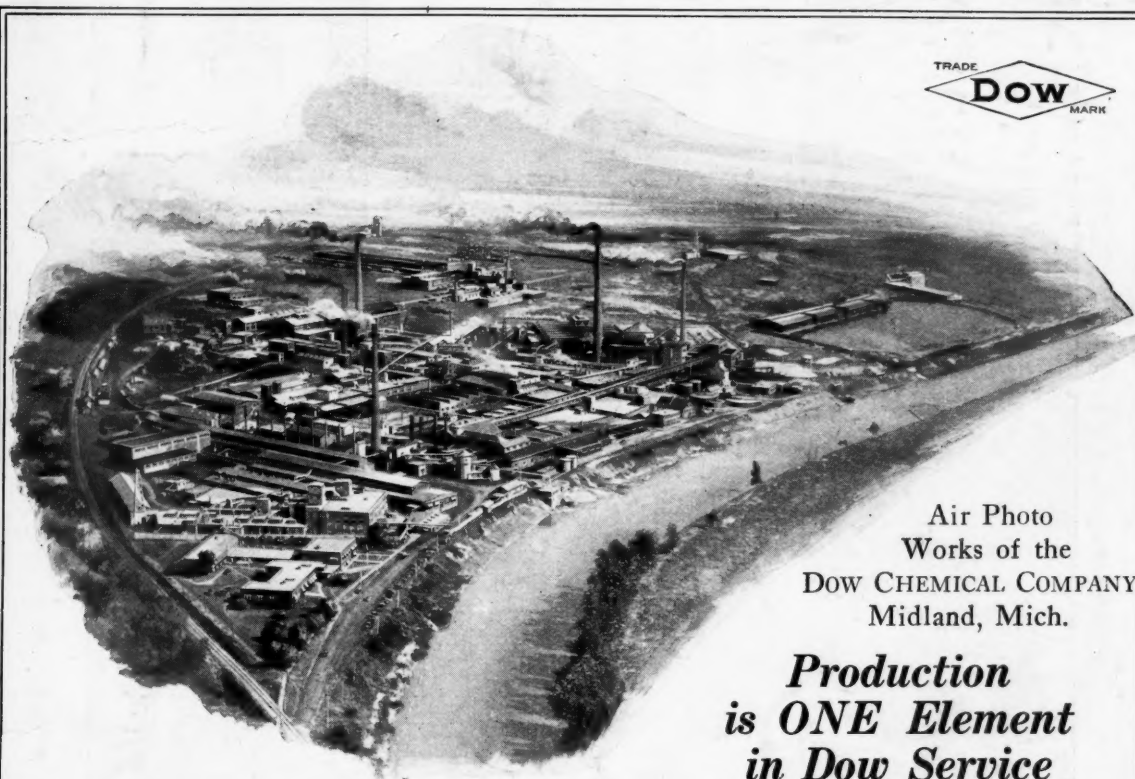
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Chemicals, "Drugs," Colors, and Aromatics

VOLUME XV

NEW YORK, OCTOBER 8, 1924

NUMBER 15



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**In This Issue** { *Effect of Dawes Plan on German Trade*  
*Statistical Position of Oil Peppermint*

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VOLUME XV

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## The Week in Brief

### News

O. F. C. Bromfield, Secretary British Chemical and Dyestuffs Traders' Association, writes that the effect of the Dawes plan on German trade has been to make possible more prompt shipments of chemicals and dyes, and to enable German manufacturers to obtain raw materials cheaper, thus bringing the country again into competition with other nations in the world markets.

German Dye Cartel, through Dr. Duisberg, protests against levy on chemical and color companies under the Dawes plan.

The statistical position of oil peppermint, based on financial and market conditions, is discussed by the trade.

### Markets

Industrial chemicals have been more or less routine during the week. The price situation is practically unchanged. Contract business in domestic sodium prussiate for 1925 delivery is reported good. Announcement of 1925 alkali prices is expected within the next week or two.

Scarcity of benzol is the outstanding feature in the market for coal and coal-tar by-products. Prompt shipment is uncertain and premiums are being paid for immediate delivery. Business in intermediates has been showing improvement.

Linseed oil is stronger again and crushers are naming higher prices for spot owing to scarcity. Chinawood oil is retaining its strength. Cottonseed oil and tallow are recovering from their recent slump. Rosins and turpentine are higher.

Fine chemicals are firm. Active business is reported in codliver oil. Bromides are firm and active. Alcohol and fusel oil are in active demand. Menthol is nominal at \$13.25 pound.

Essential oils are quiet. Oil peppermint is still strong. Oil cassia is higher on spot, but for shipment is named lower. Oil cedar wood is firm and active. Oil caraway is easy.

Crude drugs are in small demand. Cascara sagrada is easier. Insect powder is dull. Golden seal root is easier for shipment.



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New York City

# DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, OCTOBER 8, 1924

NUMBER 15

## DYES AND THE DAWES PLAN

Sharp competition in world markets by German manufacturers may be deferred for some time, says the London correspondent of DRUG AND CHEMICAL MARKETS who points out that the expected improvement in German industries must necessarily be slow until the evacuation of the Ruhr enables the manufacturers to obtain their raw materials cheaper, and to ship finished goods more promptly. Even the proposed loan of two hundred millions cannot re-establish conditions as they were before the war. You cannot keep a dog alive very long by feeding him pieces of meat cut from his tail, and this is in effect the situation in Germany which has had to live on itself practically, since the war.

Admitting that Germany's factories have modern machinery which has been kept in condition and is ready for immediate production, and knowing that her wage workers are anxious for employment, still it will take time to adjust the distribution of capital to enable owners to buy crude products for manufacture which must be paid for in cash, when purchased abroad, and to make it possible to pay wages when due.

In the manufacture of chemicals and dyestuffs Germany will recover more readily and more quickly, probably, than in any other industry. Even during the occupation of the Ruhr she has been able to meet prices of competitors in other countries, and in the Far East she made reductions that could not be met. The tariff is the only adequate defence against invasion of our domestic market, and it is yet a matter of some doubt whether German assaults can be kept at bay for any length of time, because the German Dye Cartel is ready to make any sacrifice, even that of selling below cost, to get a foothold here. Unprotected Italy and England have already felt the efforts of German manufacturers to find a market for their products. France already sees the coming competition and has announced a special tax which will be collected on German imports. While it may be some time before German trade is adjusted to the new conditions, eventually the country will offer the world manufactured goods of better quality at the same price, or equally as good as the products of their competitors at a lower price.

## SIGNS OF IMPROVEMENT

Reports of labor conditions show greater numbers of wage earners employed this month. Production figures of large corporations also indicate an improved demand for manufactured products. The U. S. Steel Corporation plants are working at 65 per cent of capacity compared with 50 per

cent recently. Sales of mail order houses are larger, one Chicago house reports gross for September as \$13,543,038 compared with \$9,949,398 for the same month last year. A new high record in car loadings for the week ended Sept. 27 indicates a steady improvement in the movement of freight. Railroad companies are buying more cars and locomotives. One of the largest can manufacturers has placed an \$8,000,000 order for tin plate. An order for steel bars amounting to \$3,500,000 is reported. On the Stock Exchange industries advanced, including du Pont and alcohol shares.

While these signs of improvement may be due in part to the activity following Summer dullness, the comparison with conditions a year ago shows a greater volume of business, and the reports of commercial agencies and banks are to the effect that the trade increase is general and that conditions are sound, with adequate money supplies to meet the demand. In another month the Election bogy, sometimes called "a presidential year" will be downed, and with confidence restored, it is probable that the improvement will be more rapid.

## THE MARKET FOR BROMIDES

Throughout the entire market for fine chemicals and drugs, no group has had a more varied career over the past year than bromides. From the depths of despair to the heights of active demand and rising prices, has been the course of bromide history since the beginning of 1924. With tons of excess bromides of foreign manufacture kicking around the market at six and eight cents per pound in bond, there were few buyers last year. Europe offered goods at ridiculous figures for shipment in order to move stocks. Now, most surplus stocks have been moved, not only out of foreign plants, but into actual consumption. Few speculative holders are believed to have retained their goods this long, except in scattered cases. The price has risen close to thirty cents for potash bromide, and is over thirty-five for soda because of this depletion of spot stocks, and because of the inability of foreign shippers to offer goods.

At the moment, the bromide market looks strong. Little is available here and Germany reports no stocks for export. The plants in Germany are reported not producing except in limited quantities. On the face of the facts, a continuation of the rise in prices would seem likely, and may keep on for some time. One or two opinions in the trade, however, express the belief that the present rise has about run its course, due partly to the fact that the bulk of stock has been sold into consumption

and that there is little left to use as a jack for lifting the price. On the reports that production in Germany is practically nil, they state that the present high price is the greatest stimulus in the world to help overcome production stagnation, and also point out instances in the past where a substantial advance in price has accelerated output with amazing rapidity, and supplied stocks somewhat more rapidly than the market was ready to absorb them.

When the price was fifteen and sixteen cents per pound duty paid in New York, everybody agreed that bromides were a buy for either consumer or speculator. To-day, however, opinion is not quite so sure that the price will continue to go up. Over the next few months, the situation will bear careful watching by prospective purchasers.

### HARMONIZING HOSIERY AND SHOES

The man who has been wearing a green necktie with a yellow striped shirt, lavender socks with tan shoes, is to be reformed by Margaret Hayden Rorke, managing director of the Textile Color Card Association of the United States. These cubistic tendencies of the males—and females, too—are to be checked by prescribing the color of hose that must be worn with certain shoes. Mrs. Rorke has called a meeting of boot and shoe manufacturers and retailers, tanners, hosiery, and underwear manufacturers for the purpose of stabilizing colors used in hosiery, and making the jangle, clash and riot of colors that conflict with leather colors impossible in the future.

It is to be distinctly understood at the start that hosiery leads and controls the situation. Formerly the shoe was the controlling factor, but no longer. The shoe manufacturer must bow to the stocking expert. It is pointed out that the relation of colors in costumes, hosiery and shoes is an important matter and if harmonious combinations can be worked out, the result will be advantageous to all three industries. The tanners have promised full support, but all tanners being of a modest and retiring disposition they do not feel that they should be called to pass upon women's hosiery. How the underwear manufacturers got into the conference is not clear, unless, to paraphrase the advertisement of a leading house, it is because next to themselves women like underwear best. We would suggest that dye manufacturers be invited to the meeting to tell hosiery makers the kind of dyes best suited to their purpose. Anyhow, the result of the stabilization effort will be watched with interest by dye makers who want to keep up to date by producing colors that are in good demand.

### COMPETITION IN COPPER SULFATE

British manufacturers of copper sulfate found so much competition in France and Italy that it was necessary to reduce their overhead in order to meet the prices made by local manufacturers and the offers from other Continental countries. The attempt to cut costs of production is being made

by co-operating in manufacturing. The new association does not include all makers, but Mond Nickel Co., J. H. Dennis & Sons and McKechnie Bros. are said to have united for the purpose of holding the foreign market. France does not produce enough copper sulfate for local consumption by some 20,000 tons. The European manufacturers who are competing for this trade and for the orders of Italian vineyardists have the additional advantage in selling in France and Italy at very low rates owing to their depreciated currencies.

### Ten Years Ago

From the Oct. 7, 1914, issue of "Drug & Chemical Markets":

Potash scarcity was beginning to be felt in this country and in Great Britain and new sources of supply of potash were being sought. Sea weed was recommended as a possible source. A potash "strike" was reported in Spain.

Oil of wintergreen commanded \$1.25@1.30 lb. as against 27c before the war began. Germany was the chief source of supply and with this source cut off prices rose rapidly.

Germany dropped off the weekly export list of the New York Customs House. Exports dropped to nothing as against \$5,000,000 in normal weeks before the war.

"We must have cyanide or many gold mines in the United States and Mexico will have to close down," said Paul Mausolf, secretary of the Roessler & Hasslacher Chemical Co., a member of the committee appointed in Washington to devise ways and means to get German products to this country.

The steamship Matanzas left for Rotterdam in ballast for a cargo of dyes, chemicals, potash and other products badly needed in this country.

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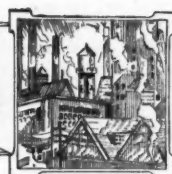






# Industrial Chemical

## SECTION



### Effect of Dawes Plan on German Trade

*Enables Dye and Chemical Manufacturers to Obtain Raw Materials Cheaper and Ship Goods More Promptly*

By O. F. C. BROMFIELD  
Secretary British Chemical and Dyestuffs Traders' Association\*

ALMOST since the armistice and certainly since the peace treaty was signed the question of some form of definite settlement of the reparation question has been the foremost point in European politics.

Commencing with the default of Germany to meet the various payments in cash and kind prescribed by the Versailles agreement (followed by the occupation of the Ruhr) the position in Europe generally became more and more unsteady and towards the end rather hopeless. Currencies had lost their significance and the commercial world was floundering in uncharted seas the like of which had never been experienced. There was, in fact, a blight over the whole of Europe so far as international commerce was concerned.

Then came the acceptance of the Dawes Report and with it a decided turn for the better. Up to this time there was ever present an entire lack of confidence in any commercial venture. Manufacturers in Great Britain were afraid to launch any new schemes because they could not see even a month ahead of them.

With the Dawes Report operating Germany is receiving more freedom for industrial activity and results are already evident. So far as Europe is concerned, and in fact the whole world, signs are not wanting that confidence is gradually returning and there is a general feeling that conditions are at last likely to settle down. He who predicts that matters will become normal in a short time can only be described as a foolish optimist; the process will be slow under the best conditions.

#### Allowing Germany to Breathe

It would appear that one of two courses had to be taken. Germany could be kept under and allowed no opportunity of putting her industries and finances in order or she could be helped in her efforts. Under the first course, of which we have had some two or three years experience, it was clear that Germany would never be able to meet reparation claims, and Europe would have gone on drifting to a very dangerous position,

politically and economically. The second course—allowing Germany to breathe—will bring with it the payment of some reparation in cash and in kind, but in order to make these payments she must be allowed to do considerable international business. In other words, she must come in freely on the world's markets.

The choice was to keep Germany under and get little or no reparations with the possibility of paralyzing Europe, or let her revive, possibly at your expense in the world's markets, and you will get your reparations and some gradual improvement in Europe. Which is the right course seems to have been settled after much hesitation on the part of at least one of the leading allied nations.

Today Germany is mending and mending fast. She will move forward as

the Ruhr is evacuated and the competition of her manufacturers will increase as time passes.

Industrial Germany is in a peculiar position today. Her factories are right up-to-date and there is little serious labor trouble such as other countries are experiencing. With the withdrawal of the occupation troops raw materials will be cheaper. For some time these important items could not be obtained in anything like sufficient quantity and the little that did get through was at prohibitive cost. Liquid capital in the country is an acute problem. The proposed loan of forty millions sterling will be used no doubt to ease the situation in that respect.

#### Effect of Ruhr Occupation

During the occupation of the Ruhr the trouble with German chemicals and dyestuffs (the former more especially) was not so much the question of price as that of being able to get your supplies shipped. The factories were denied their raw materials, such as coal, and in many ways worked under such difficulties that their output was restricted and only home demand could be met. At this time the export of many items was prohibited by the German government, and this has been one of the chief troubles of buyers of German chemicals in this country. After purchasing goods from the German works you could not get them shipped,

*Looking back over the last two years one finds that prices quoted by German manufacturers of chemicals and dyestuffs were fairly competitive with world prices. Sometimes they were too high, but throughout the period of occupation and arguments regarding reparations Germany has always been able to find an overseas market for surplus stocks not required for domestic use. With every kind of difficulty and obstacle placed in their way by occupation troops, their factories could produce at competitive prices.—O. F. C. Bromfield.*

\* The opinions expressed in this article are the personal views of Mr. Bromfield and not necessarily those of the Association members.

and the reason was always due to the occupation factor. It must be remembered that some of the Allies seized from time to time very considerable quantities of chemicals and dyestuffs from occupied works, such seizures not being in accordance with the peace treaty. One can understand the hesitation on the part of a German manufacturer as to the advisability of running his factory at all under such conditions.

The trouble in Germany through this period and up to the time of the operation of the Dawes Report was not so much a question of competition as that of limited production. It is interesting to note that during this time the German government put into force a system of export licenses and would not grant any permits unless the selling price was up to a specified standard. And the standard for export prices was something over those ruling in the home markets of Germany. That is an important point when forming an opinion as to the future strength of Germany.

I believe that with the gradual lifting of the iron hand Germany will be the keenest competitor in the world for business in chemicals and dyestuffs in every market where she is not barred either by a system of prohibition of imports or by high tariff walls.

The manufacture of chemicals and dyestuffs is about the leading industry in Germany, an industry which she knows full well is the basis of success in many other industries and she will concentrate her energies to get back to her pre-war position.

#### FORD MAKING METHYL ALCOHOL

The wood distillation plant of the Ford Motor Co. at Iron Mountain began operations last week. This plant has a daily capacity of producing charcoal and chemical products to the value of more than \$11,000 on basis of present-day prices. Production for 24 hours is about 75 tons of charcoal briquettes, 75 tons of lump charcoal, 21 tons of pitch for electrical insulation, 2,000 gallons of creosote oil, 6,000 gallons of ethyl acetate for artificial leather manufacture, 1,000 gallons of wood alcohol and 10 tons acetate of lime. About one-half the chemicals produced is being used in Ford cars, while the other half is being marketed.

Waste wood from Ford sawmills and body plants is used. From a ton of such scraps the distillation plant reclaims: 135 pounds of acetate of lime; 61 gallons of 82% methyl alcohol; 610 pounds of charcoal; 15 gallons of tar, heavy oils, light oils and creosote, and 600 cubic feet of fuel gas.

#### REPORTS OF CHEMICAL EMPLOYMENT VARY (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 1.—August employment figures by the Bureau of Labor Statistics show that eighty-nine chemical plants reported their employment in July at 20,647, increasing slightly in August to 20,690. The payrolls in these plants also increased from \$516,063 in July, to \$527,809 in August.

Replies were also received by the Bureau from fifty-seven chemical plants which reported their employment in August of last year at 13,126, decreasing in the same month of this year to 11,202, a decrease of 14.7 per cent. The payrolls in these plants also decreased from \$337,850 in August of last year to \$306,562 in the same month of this year, decrease of 9.3 per cent.

The National Chemical Works, of Pittsburg, Calif., is remodeling its plant and adding new equipment sufficient to double the capacity. The work will be completed early in October.

Western Chemical Manufacturing Co., of Denver, has been awarded \$23,740 on war mineral relief claims, by the Department of the Interior.

INDUSTRIAL CHEMICAL SECTION

## Who's Who— in the Chemical Market

**Robert Needham Ball**, partner, Farleigh & Ball, New York City. Born, Newark, N. J., Feb. 25, 1887. Mar. Miriam Ogden, Newark, N. J., Sept. 5, 1911 (3 child.). Education, Newark public schools. In contracting bus. with father, Carr & Ball, Newark, 1904-16; vet. oil dept., N. Y. office, Marden, Orth & Hastings, 1916; asst. mgr. Chicago, 1917; asst. mgr. oil dept., N. Y., 1918; partner, Zimmerman, Alderson & Carr (vet. oil bkrs.), 1920-22; partner with Henry S. Farleigh, Farleigh & Ball, bkrs. indus. chems. and vet. oils, 1923—. Member Ill. Athletic Club (Chicago), Commonwealth Club (Montclair, N. J.). Hobby, bridge whist.

**John Williams Boyer**, sales mgr. Mathieson Alkali Works. Born, Catasauqua, Pa., 13 Feb. 1886; mar. Mary Howland Ba'l, Detroit, Mich., 5 April 1914; educat. Lehigh Univ. 1903-07. Beaker boy, chemist, plant supt. var. Portland cement plants, 1908-15; in charge develop. by-products Detroit wks., Solvay Process Co., 1916-20; 1st Lt. Chem. War. Ser., U. S. A., 1917-18; asst. sales mgr., Mathieson Alk. Wks., 1920; sales mgr., 1922—. Member Chemists' Club (N.Y.), Salesmen's Assn. (pres. 1923), Advis. Comm. Chem. Exposition, Psi Upsilon. Hobby, trout fishing.

**Ralph Erskine Dorland**, mgr. N. Y. branch Dow Chemical Co., Midland, Mich. Born, Elyria, O., Aug. 22, 1879; dir. desc'd. of Gerretse von Dorlandt, who settled on Staten Isl., N. Y., 1658. Mar. Edith E. Green, Lafayette, Ind., June 17, 1902. Purdue Univ., Ph.G., 1901. Engaged in ret. drug bus., 1902-14; prof. chem. and pharm., Green School Pharmacy, Indianapolis, 1914-18; mgr. pharm. chem. sales, Dow Chem. Co. 1918; mgr. N. Y. branch, 1920—. Member Ill. Phar. Assn. (pres. 1913-14), Salesmen's Assn. (pres. 1924), Druachem and Railway Clubs (N. Y.), Mason (Chapter, Comdry, Shrine). Hobby, four sons and one grandson.

**Charles Holmes Herty**, pres. Synthetic Organic Chemical Manuf. Assn. Born, Milledgeville, Ga., Dec. 4, 1867. Mar. Sophie Schaller, Athens, Ga., Dec. 23, 1895. Univ. Georgia, Ph.B., 1886; Johns Hopkins Univ. Ph.D., 1890; post-grad. work at Univs. Berlin and Zurich, 1889-1900. Asst. chem. Ga. State Expt. Sta., 1890-91; instr. in chem., Univ. Ga., 1891-94; adj. prof. chem. 1894-1902; with U. S. Bur. Forestry, 1902-04; Chattanooga Pottery, 1904-05; prof. chem. Univ. No. Car., 1906-16; editor, Jour. Indust. & Engineering Chemistry, 1917-21; pres. Synth. Organ. Chem. Mfrs. Assn., 1921—. Fellow A. A. A. S., Chem. Soc. Gt. Britain. Member, Amer. Chem. Soc. (pres. 1915-16), Soc. Chem. Ind., Soc. Chimique (Paris), Amer. Electrochem. Soc., Amer. Forestry Assn., Franklin Inst., Amer. Phila. Soc., Chemists' Club. Hobby, billiards.

**August A. Wasserscheid**, mgr. N. Y. branch, Mallinckrodt Chem. Wks. Born, New York City, 11 Jan. 1871; mar. Florence A. McKown, New York, 15 Feb. 1900; educat. City Col. N. Y., 1886; N. Y. Col. Pharm., Ph. G. 1891. As boy did summer work in drug stores; ret. pharm. in N. Y. 1886-92; entered employ of Mallinckrodt as asst. to H. T. Jarrett, 1893; mgr. N. Y. branch, 1919; vice-pres. & treas. Mariscal Mining Co. (quicksilver). Memb. Mason (Chpt., Comdry., Shrine), Drug & Chem. Club, Druachem Club, Salesmens Assn., Am. Chem. Soc., A. Ph. A. Hobbies, collector of books & postage stamps.

## WINKWORTH LEAVES SOLVAY COMPANIES

Succeeded by Procter K. Malin, Vice-President of Semet-Solvay—Formerly With Kentucky Plant

E. D. Winkworth has resigned as president of the Solvay Process Co., the Semet Solvay Co. and the Atmospheric Nitrogen Co. Procter K. Malin, vice-president and director, was elected president of all three companies.

Before his election to the presidency Mr. Winkworth had been with the Solvay Company 30 years, as secretary of By-Products Coke Corp., vice-president of Semet-Solvay Co., president of Semet-Solvay Co. and executive vice-president of Solvay and Semet-Solvay.

Mr. Malin took charge of Semet-Solvay Co. in 1921, when Mr. Winkworth was given the position of executive head of all the Solvay interests.

Mr. Malin was formerly head of Ashland By-Products Coke Co., formerly the Kentucky Solvay Coke Co., at Ashland, Ky. He became its president in 1921; before that he had been district counsel of Semet-Solvay Co. He practiced law in Ashland before becoming affiliated with the Solvay interests.

Since the formation of Allied Chemical and Dye Corp. in 1920, consolidating Solvay Process Co., Semet-Solvay Co., National Aniline and Chemical Co., Barrett Co. and General Chemical Co., there have been numerous changes in the management of the company and control is being shifted gradually from Syracuse to Allied Chemical and Dye Corp., in New York.

A report from Syracuse, N. Y., says that Allied Chemical and Dye Corp. will make an offer to stockholders of By-Products Coke Corp. soon. The stock of the By-Products company is selling around \$40 a share on the Syracuse market, having recently jumped from a record low of \$30. Many of the 2,000 stockholders paid \$250 to \$200 for their stock, when extra as well as the 6 per cent dividends were being paid. The common dividend was suspended in 1921, and since then the stock has declined from \$95 to \$30. Allied Chemical engineers recently made an appraisal of the By-Products plant in Chicago. This consists of a plant of coke ovens and by-products buildings. A new block of coke ovens is under construction.

Manufacturers' reports received at the New York State Department of Labor show a gain of over 1 per cent in total wage payments from July to August, says Industrial Commissioner Bernard L. Shientag of the State Department of Labor. Employment in the chemical and oil plants is on the level of the depression in 1921-1922. Payrolls are slightly higher. These industries have been responding later to the business cycle so the comparison of the two periods is not complete. August showed they are still apparently losing ground, though the reduction is gradual. Both drugs and industrial chemicals have been sliding since November. Payrolls in this group are higher than in 1921 but employment is about even. The contraction after the war and the extraordinary expansion of 1920 has been lasting. Miscellaneous chemical products are holding up fairly well.

The Federal Trade Commission has made public a report prepared by order of the U. S. Senate, on house furnishing industries, which deals with the manufactures of aluminum. The report says that the Aluminum Company of America has "a practically complete monopoly of the production of aluminum in the United States and is the only domestic source of supply of metal for aluminum cooking utensil manufacturers, and this fact, combined with a high protective tariff on aluminum, enables it to control the price of aluminum."

## GERMAN DYE CARTEL IS PROTESTING AGAINST LEVY UNDER THE DAWES PLAN

Dr. Duisberg Says Production of Color Plants Was Over-Estimated—German Companies Seeking \$30,000,000 Loan In New York—Three Members of the Cartel Obtain Loan of \$2,500,000

The three German companies which obtained a loan of \$2,500,000 in New York recently, are Fabriken vorm fur Bayer, Aktiengesellschaft fur Anilin-Fabrikation, Berlin, and Chemische Fabrik Griesheim Elektron. The other members of the dye cartel, Badische Anilin und Soda Fabrik, Cassella and Hoechst Works, are strong financially and have no reasons for seeking a loan at this time. Security for the recent six months loan is stocks of finished dyestuffs abroad and in bond in this country. Negotiations for a loan amounting to \$30,000,000 have been begun, but bankers are unwilling to float the loan until the banking provisions of the Dawes' plan have been worked out. At least six months will be required for this and the loan will not be floated before next April. The banks supplying the \$2,500,000 loan to the three members of the German Cartel are Kuhn, Loeb & Co., Dillon, Read & Co., and the International Acceptance Bank.

Another loan which the German Coal Syndicate was interested in obtaining did not materialize. Owing to lack of working capital, the Coal Syndicate has not been able to operate sufficiently to supply the German industrial requirements and representatives of the Syndicate began negotiations in this country for a loan. The low rates demanded by the Germans prevented it going through. The coal loan would have been of considerable importance to the German dye and textile interests, since it would mean a cheaper and a more plentiful supply of fuel and by-products of coal. The negotiations brought out the fact that Badische Anilin und Soda Fabrik was a member of the German Coal Syndicate. The Badische company has already acquired control of the Rheinstahl, a steel makers association, which has large holdings in the coal syndicate, thus giving increased coal facilities to the dye cartel. The annual quota of coal extraction for the dye cartel will, as a result of the Badische control, be raised from 200,000 tons to 3,000,000 tons, from which it is estimated sufficient coal tar for color making will be obtained to increase production of dyes.

German chemical interests are not satisfied with the Dawes plan. Dr. Carl Duisberg, director general of the dye cartel, stated at the annual meeting of the Associated German Chemical Industries, that the chemical provisions of the plan placed an excessive burden on the dye industry, rendering it incapable of competing with other countries and placing the industry in a precarious position. Dr. Duisberg said the cartel was unable to pay its quota and that the plan overrates the production of the dye industry.

Under the Dawes plan the chemical industry has been assessed 8 per cent of the total industrial payment and it is understood that the color industry will bear the largest share of the levy.

Thomas W. Miller, Alien Property Custodian, is to resign. Mr. Miller was in conference with President Coolidge a few days ago and explained that his recent election to the presidency of the F. I. D. A. C., the inter-allied war veterans association, will necessitate his making his home in Paris.

Sir Esme Howard, British Ambassador to this country, will be guest of honor at the annual meeting and luncheon of the New York Board of Trade and Transportation on Oct. 22, and will address the board on "The Importance of Anglo-American Friendship."



## The Heavy Chemical Market

Current Spot Quotations on Heavy Chemicals, pages 1102-1104

### SODIUM PRUSSATE QUOTED FOR CONTRACT

**Low Prices Heard for 1925 Deliveries—Caustic Potash Stronger for Shipment—Barium Products Continue Weak and Dull—Glauber's Salt Firmer—Permanganate Business Small—Sal Ammoniac Active for Shipment—Imports for First Eight Months—Market Quiet and Steady**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced  
Ammonium Sulfate, 5c 100 lbs. Potash, Caustic, 1/4c lb.

Declined  
No Declines

#### Trend of the Market

|                               | Today  | Last Week | Last Month | Last Year | War Peak | Pre-War |
|-------------------------------|--------|-----------|------------|-----------|----------|---------|
| Acetic Acid, Glacial....lb.   | \$1.11 | \$1.11    | \$1.11     | \$1.294   | \$1.194  | \$1.07  |
| Sulfuric Acid, 66 deg.-ton    | 14.90  | 14.00     | 14.00      | 15.00     | 55.00    | 20.00   |
| Ammonium Sulfate, 100 lbs.    | 2.55   | 2.80      | 2.45       | 3.15      | 7.50     | 2.65    |
| Bleaching Powder, 100 lbs.    | 1.90   | 1.90      | 1.90       | 1.75      | 9.50     | 1.50    |
| Copper Sulfate, c/100 lbs.    | 4.60   | 4.60      | 4.60       | 5.00      | 20.00    | 4.50    |
| Potash Caustic, Imp....lb.    | .07    | .0674     | .0674      | .0734     | .87      | .08     |
| Soda Ash, 58 p.c. .100 lbs.   | 1.94   | 1.94      | 1.94       | 2.00      | 3.50     | .60     |
| Caustic Soda, 76 p.c.100 lbs. | 3.66   | 3.66      | 3.66       | 3.70      | 9.50     | 1.42    |
| Potassium Bichromate..lb.     | .0894  | .0894     | .0994      | .0994     | .65      | .0694   |
| Sodium Prussiate, Imp.lb.     | .0994  | .0994     | .0994      | .14       | 1.25     | .18     |
| Average .....                 | 2.906  | 2.901     | 2.891      | 3.106     | 10.79    | 2.99    |

Although the market in industrial chemicals is reported quiet and steady, a fair volume of business is passing from day to day and the total for the week or month is proving more satisfactory as consuming industries gradually resume operations in various sections of the country. Buying is still along conservative lines owing to uncertainty of business developments more than a few months in advance. The coming election is causing some hesitancy in future buying and until that event has passed business will continue to mark time. Imports of chemicals for the first eight months of 1924 showed a decline of \$2,175,435 from the total of the same period in 1923. Chemical prices show little change from previous quotations but more firmness is evident in many items. Sodium prussiate is being offered for 1924 delivery on contract.

**Acid Acetic**—Makers report increased buying from practically all industries. Prices continue at recent levels with makers naming 28% at \$3.12@3.37 according to quantity in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76.

**Acid Formic**—Imports for the eight months ended August were 1,057,831 pounds valued at \$163,117. Demand has been active but increased competition has weakened the market and sales are being made at 11 1/2c @12c lb. for 85 and 90%.

**Acid Oxalic**—Little change in the situation. Prices are holding at 9 1/2c@10c lb. for domestic and imported. Imports for the first eight months of 1924 were 1,817,362 pounds valued at \$113,850.

**Acid Sulfuric**—Demand for mineral acids has been increasing and makers are firmer in their prices, especially for carboy business. Small consuming industries appear to be busier than for many months. Tank car business in 66° named at \$14.00 ton, works, and 60° acid, \$9.00 ton. Carboys of 66° acid, \$1.30@1.70 as to quantity.

**Acetone**—Makers report good demand with supplies somewhat limited. Prices are holding at recent levels according to maker. Fermentation C. P. acetone, 16c@17c lb., and by acetate of lime method, 17c@18c lb.

**Ammonium Chloride**—Some good business has been passing in imported white at 5 1/4c lb. in quantity for shipment. Spot prices in small lots holding at 6 1/4c lb. Gray held at 7 1/2c@8c lb.

**Arsenic**—Imports for the eight months ended August were 14,267,807 pounds valued at \$1,345,370. Little interest in the market at present and occasional sales are reported from 6 1/2c@7c lb. as to seller and quantity.

**Barium Compounds**—Consuming demand has been lacking and the market continues slow. The chloride is quoted down to \$72 for imported spot supplies and up to \$77 ton. Shipments are reported at the inside figure. Domestic named at \$78.50@82.50 works. Carbonate is dull and weak. Sales made at \$55 ton for imported. Domestic held at \$64 ton, works.

**Bleaching Powder**—The season for renewing contracts is approaching and consumers are beginning to inquire about next year's prices. While the indications are that present prices will remain firm, announcement of prices will probably come later this year owing to uncertainty among consumers in the coming election and its effect on business next year. It appears likely that present prices will hold for contracts while small lot business may be higher. Makers now quoting \$1.90 for carlots of large drums and \$2.05 for less cars. September was reported considerably better than August.

**Copper Sulfate**—The metal has been having difficulty in holding at 13c lb. Sulfate, however, continues firm at recent levels. Agricultural demand is quiet but industrial buying is improving. Makers quote \$4.65@4.90 according to quantity. Imported held at \$4.40@4.50.

**Glauber's Salt**—Improved buying is reported and prices are firmer than they have been. Price cutting is less evident. Named at \$1.25@1.50 for domestic. Imported is neglected.

**Potash Caustic**—The situation is strengthening owing to a change in production and distribution policy in Germany. The spot market is higher and higher shipment prices are expected in the near future. Nothing definite has yet been announced but importers state something is about to happen. Spot quoted 7c@7 1/4c lb. as to quantity. Imports for the first eight months of 1924 were 7,426,567 lbs. valued at \$405,458.

**Potassium Carbonate**—Higher prices are anticipated but current quotations are unchanged with 80-85% named at 5 1/4c@5 1/2c lb.; 96-98%, 5 3/4c@6c lb., and 99%, 6 1/2c@7c lb.

**Potassium Chlorate**—Imports for the eight months ended August were 4,581,401 pounds of chlorate and perchlorate. Demand has been improving and imports increasing. Prices named from 6 1/2c@7c lb. for imported, and 7 1/2c@8c lb. for domestic powdered.

**Potassium Permanganate**—Buying confined to small lots and prices being shaded from time to time. Quantity lots named down to 13c lb. but ordinary sales at 13 1/2c lb. Shipment prices named at 12 1/2c lb., duty paid.

**Soda Ash**—Deliveries continue to show improvement as consuming industries gradually begin to show more activity. Nothing has been heard as to contract prices for next year but it is almost certain that lower prices will not be named. Present business named at \$1.25 for bulk, \$1.38 in bags, and \$1.63 in barrels, carlots of 58% light at works on contract. L/c/l, spot, \$2.04@2.19 bags.



**Soda Caustic**—Continued improvement in deliveries and new business reported. Contract prices for next year are expected soon. Present prices named at \$3.10 for 76% solid in carlots, works, on contract. Ground and flake, \$3.50@3.60. L/c/1 business around New York, \$3.76@3.91 for solid, delivered.

**Sodium Cyanide**—Imports for the first eight months of 1924 were 21,251,037 pounds valued at \$1,784,960. Demand prices are steady except for occasional sales of off material under the market. Domestic, 96-98%, 22c lb.; imported, 125-128%, 20c@20½c lb.; 120-125%, 17c lb.

**Sodium Prussiate**—Contract prices for both domestic and imported prussiate are being quoted and sellers are placing 1925 contracts. Prices are reported at 8½c lb. but actual confirmation is difficult to obtain. The market is unsettled, various quotations are heard. Spot sales of imported at 9½c lb. and domestic named at 9¼c lb., works. Imports for first eight months of 1924 were 2,020,692 pounds valued at \$174,202.

#### Metals

Copper has weakened and sales have been made at 12½c lb. for electrolytic. Lead is featureless and steady at 8c lb., New York. Tin is moving upward again with Straits selling at 48½c lb. Zinc is stronger and has advanced to 6.55c lb., New York. Antimony is firm at 11c@11¼c lb.

### JAPAN BUYING ACETATE OF LIME

(Special to Drug & Chemical Markets)

Washington, D. C., Oct. 8.—Exports of acetic acid during August amounted to 49,282 pounds, valued at \$5,626, of which Cuba took the largest quantity, according to the Department of Commerce.

Exports of methanol totaled 77,547 gallons, valued at \$67,286, and exports of other pure and denatured alcohol amounted to 28,063 gallons valued at \$22,587.

The department's figures show that acetate of lime exported amounted to 727,709 pounds, valued at \$22,070, all of which went to Japan. During August also 232,148 pounds of formaldehyde were exported, valued at \$26,922.

### AMERICANS WIN MANGANESE CONCESSION

W. A. Harriman & Co., New York, have obtained a concession from Soviet Russia covering the manganese fields in the Chikatouri district of Georgia, the largest and most productive in the world. Both the Georgian and Russian governments have accepted their offer in principle, and it remains only to draw up the details of the contract, involving several million dollars and covering a period of twenty-five years. The contract gives the Americans the monopoly on the exportation of manganese from Russia, and the fields covered in the agreement comprise an area of 10,000 acres.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until Oct. 14 for 8,000 pounds dry litharge; 1,500,000 pounds white dry zinc oxide; 100,000 pounds dry blanc fixe, and 4,000 pounds dry cuprous oxide, as specified in Schedule 2742, for the Norfolk, Va., navy yard.

Included in the cargo of the T. K. K. liner Korea Maru, which sailed from San Francisco for the Orient on Sept. 27 were 1,600 sacks of acetate of lime, 2,500 sacks sulfate of ammonia, 600 cases of cottonseed oil, 225 cases of engine oils and 350 bales of hops.

Armour Fertilizer Works, Chicago, is planning the erection of an eight-chamber sulfuric acid plant at Jacksonville, Fla., which will replace the one recently destroyed by fire.

### PHILADELPHIA CHEMICAL TRADE BRISK

(Special to Drug & Chemical Markets)

Philadelphia, Oct. 8.—Trading in alkalis was fairly brisk in August, according to the Federal Reserve Bank, sales of soda ash, caustic soda and bleaching powders showing moderate gains, as shown by shipments of these chemicals against open contracts. While barium products and potashes have been in fair request the market for coal tar products, particularly benzol, continues relatively quiet.

Among the mineral acids sulfuric sold most actively. Very little improvement is seen in the demand for acetate of lime, methanol, charcoal and wood oils, but activity in spraying materials shows an appreciable gain. While the call for dyestuffs and intermediates points to a moderate expansion, the situation of this industry remains somewhat uncertain, as is indicated by the fact that imports of coal tar dyes during August were the smallest during any month this year, according to the preliminary report issued by the United States Department of Commerce. Certain products, such as albumen, are becoming difficult to obtain on account of the military trouble in China. As a result of the seasonal demand business in these materials has been on the upward trend.

About half the returns from the makers of chemicals in this district show a slight gain in production, while the other half states that operations have been continued at about the same rate as they were a month ago. The supply of labor is adequate and wages remain unchanged except in a few cases. Stocks of finished goods and raw materials are moderately light.

With few exceptions, says the Philadelphia Reserve Bank, quotations continue to prevail at the levels of last month, but buyers generally offer a determined resistance to advances. Collections are fair, although slower than they were last year.

### DU PONT BUYS EXPLOSIVES PLANT

E. I. du Pont de Nemours & Co. have acquired the principal properties of General Explosives Co., which includes a high explosive plant at Carl Junction, Mo. Du Pont has recently received what is believed to be the largest contract for commercial explosives ever awarded in the history of the explosive industry. It called for the preparation, cartridgeing, packing and shipping of approximately 100,000,000 pounds of pyrotol, the ingredients of which will be ground smokeless powder, sodium nitrate and a nitroglycerin sensitizer. Du Pont was awarded the contract as the lowest bidder, contract price being 6 cents a pound at Repauno, N. J., and Barksdale, Wis., and 5.6 cents at du Pont, Wash.

Unground smokeless powder to the extent of approximately 57,000,000 pounds now stored at Old Hickory, Tenn., and Tullytown, Penn., will be furnished to the company by the Department of Agriculture. Approximately 10,000,000 pounds of sodium nitrate now at Old Hickory will also be furnished. Other ingredients are to be supplied by du Pont.

Pyrotol production will be undertaken at certain high explosives plants of the company that are advantageously located and equipped for the work. The explosive will be used extensively the next few years in road building.

Linde Air Products Co. of New York, one of the largest producers of oxygen in the world, is to erect a new plant at Roanoke, Va. A plot 225 by 150 feet at the corner of Norfolk ave. and 14th st. has been purchased. The construction of the plant will begin immediately. Forty men will be employed. The New York office of the company is to handle all business pertaining to the new structure pending its construction.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediate, see Chemicals, page 1112

### TIGHT SITUATION IN BENZOL

Producers Unable to Make Prompt Deliveries—Premiums Paid for Immediate Shipment—Other Light Oil Distillates Quiet—Pyridine Scarce But Demand Slow—Phenol Stocks Small—Cresylic Acid Quiet—Aniline Oil in Active Demand—Ortho-toluidine Firm

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

|                           | Advanced      |           | Declined          |           |          |         |
|---------------------------|---------------|-----------|-------------------|-----------|----------|---------|
|                           | No Advances   |           | Pyridine, 5c gal. |           |          |         |
| Trend of the Market       |               |           |                   |           |          |         |
|                           | Today         | Last Week | Last Month        | Last Year | War Peak | Pre-War |
| Benzene, pure .....       | gal. \$25 1/4 | \$25      | \$25              | \$23      | \$1.10   | \$25    |
| Naphthalene, flake .....  | lb. .05       | .05       | .05               | .07       | .16      | .08     |
| Phenol, Spot .....        | lb. .25       | .25       | .25               | .28       | 1.50     | .08     |
| Toluene .....             | gal. .26      | .26       | .26               | .25       | ..       | ..      |
| Aniline Oil .....         | lb. .16       | .16       | .16               | .16       | 1.40     | .10 1/2 |
| Alpha-naphthylamine ..... | lb. .35       | .35       | .35               | .35       | 1.28     | ..      |
| Benzaldehyde .....        | lb. .70       | .70       | .70               | .75       | ..       | ..      |
| Betanaphthol .....        | lb. .26       | .26       | .26               | .21       | 1.50     | .08     |
| Dimethylaniline .....     | lb. .35       | .35       | .35               | .40       | 1.30     | ..      |
| Paranitroaniline .....    | lb. .68       | .68       | .68               | .73       | 1.58     | .18     |
| Average .....             | 0.331         | 0.331     | 0.331             | 3.44      | ..       | ..      |

Aside from the situation in benzol and other light distillates, the market in coal and coal-tar by-products is practically unchanged. Owing to the recent depression in the steel industry, coke ovens have been operating at a minimum and production of light oils is now far from satisfying consuming industries. During the past month, steel mills have shown increased activity but with coke supplies plentiful no increase in coking operations has been deemed necessary. The end of the present shortage of benzol is in sight, however, and the next few months will see a gradual resumption of coking operations and an increase in benzol production. Other coal tar products are moving in a routine way as consumers come in from time to time for small supplies. Textile mills are slightly more active but the consumption of dyes has shown no marked increase. As to the effect of the reduction in duty from 60 to 45 per cent ad valorem which went into effect on Sept. 22, hardly a ripple has been noticed in the market. The reduction mainly affects the high priced dyes and since the bulk of the domestic sales is in the low priced colors it had little influence on the market.

#### Crudes

**Benzene**—The present scarcity of benzol is more pronounced than ever and buyers are having considerable difficulty in securing supplies for prompt delivery. Most sellers are sold up for immediate shipment and can only quote on future delivery. Under the circumstances the price situation is somewhat unsettled and to a certain extent, nominal for prompt shipment. Some buyers have been paying a premium for prompt shipment and sales have been recorded at prices higher than the recent selling level in some quarters. Production of light oils has shown no increase though steel plants have gradually been increasing operations. September saw a net gain of 21 blast furnaces blown in throughout the country, bringing blast furnace operations up to 42 per cent of capacity on Oct. 1 as against 36.5 per cent on Sept. 1. Steel mills are operating 65 per cent of capacity. Coke

supplies are still plentiful and no large increase in coking operations is expected until steel mills increase their operations. The cut in gasoline prices last week to 13c has further widened the gulf between "gas" and motor benzol selling prices but buyers are paying the higher prices. The benzol situation is regarded as only temporary, however, and the next few months will no doubt see a decided change in the market. Sales are reported at 25c and 26c gal. for pure in tanks at mills but the inside price is difficult to obtain for prompt shipment; 90 per cent at 23c; drums, 5c above tank prices.

**Cresylic Acid**—Demand is more or less routine with buyers confining their purchases to moderate quantities. Prices are unchanged with pale acid quoted 65c@75c, according to grade, and dark acid 60c@65c gal.

**Naphthalene**—Little business passing and prices are weak. Quoted 5c@5 1/4c lb. for flake, and 5 1/4c@5 3/4c lb. for balls; chipped, 4 1/2c lb., and crude, 2c lb. for shipment.

**Pyridine**—Supplies are scarce on spot but little buying is taking place and prices are none too firm. Sales are reported at \$4.25, spot, which is slightly lower than recent sales. Shipments at about \$4.15 gal.

**Phenol**—Makers' production is well taken care of for the immediate future. Spot demand is quiet. Stocks are not large and any buying would no doubt strengthen the market. Prices are generally quoted 25c@26c lb. for destructible drums and 24c in large drums.

**Solvent Naphtha**—The cut in gasoline apparently has not affected other distillates and solvent is holding at 23c@25c, according to seller, tanks at works.

**Toluene**—No important demand is reported but occasional tanks or carlot orders are coming in. Tanks are quoted 26c gal., mills, and drums, 31c gal.

#### Intermediates

**Acid Anthranilic**—Occasional sales with makers holding at 94c lb. for technical and \$1.00 lb. for refined.

**Acid Cleve's**—Quiet and unchanged at \$1.00@1.10 lb.

**Acid Gamma**—In routine demand at \$1.45@1.50 lb.

**Acid H**—Fair buying at unchanged prices, 72c@75c lb. as to quantity.

**Aniline Oil**—In very good demand though most of the consumption is outside the dye and textile field. Makers holding firm at 16c@17c lb. Aniline salt quoted at a range according to seller and quality, 20c@24c lb.

**Benzidine**—Quiet with prices holding at 78c@80c lb. as to seller.

**Beta-naphthol**—No important activity. Sales are confined mainly to moderate quantities for immediate consumption. Makers quoting 25c@26c lb. for less than carlots.

**Dimethylaniline**—Slow with makers quoting 35c@37c lb.

**Diethylaniline**—Firm at the higher quotations of 58c@61c lb. owing to increased cost of alcohol.

**Meta-toluylenediamine**—Only fair though consuming season is at its height. Quoted 85c@88c lb.

**Ortho-nitrotoluene**—Increased demand has accounted for the stronger market, with makers holding at 9c@10c lb.

**Ortho-toluidine**—Active demand and quoted 15c@16c

lb. though 14c may possibly be done on large business.

**Para-nitraniline**—Quiet and unchanged, 68c@70c lb.

**Para-phenylenediamine**—Moving well owing to demand for black in furs. Selling at \$1.30 lb.

**Para-toluidine**—Little demand and supplies increasing. Quoted at 75c lb.

### GERMANS MERGE JAPAN DYE OFFICES

Badische Anilin und Soda Fabrik is organizing the German dye agencies in Japan with a central office and laboratories at various points to aid dye users, according to a report received by the Department of Commerce, Washington, D. C. The report says:

"The Germans having the advantage of already possessing the bulk of the business and with ample resources insured by their combination, will soon become even more dangerous competitors. They will have an exceedingly powerful organization, and they are reported to be establishing a string of technical laboratories all over the country where the dyers of the district can get trials made and apply for technical assistance whenever they want it.

"No name has yet been selected for the consolidation, but Badische Anilin und Soda Fabrik has taken the first steps for bringing about the merger and in a few months German agencies in Japan will be combined under one office. In addition to dyes, and including indigo, the merger is also expected to handle heavy chemicals, pharmaceuticals, photographic supplies and similar lines."

All the important German houses have joined the merger. Mr. Kuhweide, formerly agent for the Badische in Bombay, will be manager of the new combination, and he will be assisted by five commercial directors, two technical directors, and two directors who will specialize in indigo sales.

Three American dye manufacturers now have agencies in Japan, the National Aniline & Chemical Co., E. I. du Pont de Nemours Co., and the Newport Chemical Co.

### BARRETT CO. SUES LACLEDE GAS LIGHT

The Barrett Co. has brought suit in the Federal Court at St. Louis for an injunction restraining the Laclede Gas Light Co. from breaking a contract to sell coal tar products to The Barrett Co.

The bill of complaint as filed alleges that if Laclede Co. cut off the supply of coal tar products to The Barrett Co., they would be unable to obtain these products elsewhere at reasonable rates and their business would suffer great damage.

The Barrett Co. has been operating under a five-year contract which expires at the end of 1924; but the contract, it is claimed, gives The Barrett Co. an option on another five-year contract.

Federal Judge Davis issued an order directing the officers of Laclede Co. to show cause on Oct. 9 why an injunction should not be issued. The order also restrained them from disposing of any coal tar products to companies competing with The Barrett Co.

Republic Creosoting Co. has been awarded the contract by the Bureau of Supplies and Accounts, Navy Department, for furnishing the Mare Island, California, navy yard with 3,700 gallons of coal tar at \$758.50, bids for which were received on Sept. 30.

Frank B. Gorin, who for the past year has been connected with the Chemical Division of the Bureau of Foreign and Domestic Commerce, has resigned to become national secretary of the United States Chemical Warfare Association.

### SEPTEMBER IMPORTS OF DYES DOUBLE THE QUANTITY RECEIVED IN AUGUST

**Total Imports at New York 152,743 Pounds, Compared With 64,546 in the Previous Month—About 34 Per Cent Brought In Under Old Rates of Duty and 66 Per Cent Withdrawn From Bonded Warehouses at Lower Rates**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 8.—Imports of coal dyes through New York in September totaled 152,743 pounds, with an invoice value of \$152,477, more than double the imports of August, according to statistics compiled by the Chemical Division of the Department of Commerce, and the Tariff Commission.

In addition, imports of dyes through other ports were: Providence, 5,935 pounds, with an invoice value of \$5,628; Hartford, 2,000 pounds, with an invoice value of \$981; and Milwaukee, 300 pounds, with a value of \$534.

Of the total dyes imported in September, 33.7 per cent by quantity were brought in between Sept. 1 and 21, at the old rates of duty, and 66.3 per cent were withdrawn from bonded warehouses after Sept. 22, on which date the ad valorem duty of 60 per cent was automatically reduced to 45 per cent.

The September imports of 152,978 pounds through New York, compare with 64,546 pounds in August; 140,810 in July; 147,380 in June; 167,245 in May; 174,800 in April; 293,862 in March; 158,874 in February, and 288,743 in January.

The five leading dyes by quantity imported in September were: Indanthrene golden orange, R—10,297 pounds; Xylene, light yellow—9,920; Indanthrene, red, B N—7,903; Indanthrene, golden orange, G—7,516; Ciba scarlet, G—6,560.

Total imports of synthetic aromatic chemicals for the month of September were 3,621 pounds, with an invoice value of \$1,418. Of this quantity, 2,214 pounds, or 61 per cent, were imported during the period of Sept. 1 to 21.

Imports of color lakes in September amounted to 1,850 pounds, with an invoice value of \$1,281.

### WILL STABILIZE HOSIERY COLORS

The Textile Color Card Association of the United States has called a meeting of representatives of the hosiery, leather and shoe industries, tanners and textile leather interests, at the Hotel Astor, on Thursday, Oct. 9, at 2 p.m., to stabilize colors used in hosiery. Margaret Hayden Rorke, managing director of the association, says the following associations have named committees on the subject: National Boot & Shoe Manufacturers' Association, of which John C. McKean is president and J. Douglas Smith, secretary; National Shoe Retailers' Association, of which Seaton Alexander is president and George M. Spangler manager and secretary; Tanners' Council, of which Fraser M. Moffat is president, and Edward A. Brand, secretary.

E. I. du Pont de Nemours & Co., dyestuffs department, announce placing on the market four new dyestuffs. Pontamine Diazo Black VX, a diazotizable black suitable for half silk hosiery; Ponsol Golden Orange RRT, a tan shade fast to chlorine; Dupont Thioflavine TCN, a direct yellowish green color for printing and fast to chlorine; Sulfogene Bordeaux BN, which produces a bright reddish claret suitable for real and artificial silk.

Casper Smith, president of Smith Chemical & Color Co., New York, was married recently to Miss Ruth Janon of Brooklyn, N. Y. They returned last week from an extended automobile trip in New England.



## The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1119

### COTTONSEED OIL AND TALLOW STRONG

**Advances in These Two Products Influence Other Oils—**  
**Chinawood Oil Scarce and Higher—Linseed Oil**  
**Scarce on Spot—Crushers Raise Prices—Flaxseed**  
**Higher—Palm Oil Stronger—Commercial Olive Oil**  
**Selling Higher—Fish Oils Firm—Turpentine and**  
**Rosins Up**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

| Advanced  |   |
|---|---|
| Chinawood Oil, spot, $\frac{1}{2}$ c lb.                      | Neatsfoot Oil, $\frac{1}{4}$ c@ $\frac{1}{2}$ c lb. |
| Chinawood Oil, fut., $\frac{1}{4}$ c@ $\frac{1}{2}$ c lb.     | Olive Oil, denat., 3c gal.                          |
| Coconut Oil, tks., spt., $\frac{1}{4}$ c@ $\frac{1}{2}$ c lb. | Oleo Oil, No. 1, 1c lb.                             |
| Corn Oil, crude, $\frac{1}{2}$ c lb.                          | Palm Oil, Lagos, $\frac{1}{2}$ c lb.                |
| Cottonseed Oil, crude, $\frac{1}{4}$ c lb.                    | Palm Oil, Niger, $\frac{1}{2}$ c lb.                |
| Cottonseed Oil, P.S.Y., 1c lb.                                | Rapeseed Oil, ref., 2c gal.                         |
| Cottonseed Oil, ref., $\frac{1}{2}$ c lb.                     | Oil Stearine, 1c lb.                                |
| Greases, $\frac{1}{4}$ c@ $\frac{1}{2}$ c lb.                 | Tallow, loose, $\frac{1}{2}$ c lb.                  |
| Lard Oil, $\frac{1}{4}$ c@ $\frac{1}{2}$ c lb.                | Tallow Oil, acidless, $\frac{1}{4}$ c lb.           |
| Linseed Oil, spot, 1c gal.                                    | Turpentine, spirits, 3c gal.                        |
| Linseed Oil, fut., 1c@ $\frac{1}{2}$ c gal.                   | Rosins, 23c@40c                                     |
| Menhaden Oil, crude, $\frac{1}{2}$ c gal.                     |   |

#### Declined No Declines

| Trend of the Market          |                   | Last              |                   | Last              |                   | War               |      | Pre- |      |
|------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|------|------|
|                              | Today             | Last Week         | Last Month        | Year              | Peak              | War               | Peak | War  | Peak |
| Cod Oil, N. F. ....gal.      | .62               | .62               | .59               | .68               | 1.25              | .26 $\frac{1}{2}$ |      |      |      |
| Degras, American, bbl..lb.   | .04 $\frac{1}{2}$ | .04 $\frac{1}{2}$ | .04 $\frac{1}{2}$ | .03 $\frac{1}{2}$ | .23               | .03 $\frac{1}{2}$ |      |      |      |
| Lard No. 1 .....gal.         | .92               | .86               | .88               | .79               | 2.90              | .92               |      |      |      |
| Menhaden, crd. bbls..gal.    | .50               | .50               | .50               | .47 $\frac{1}{2}$ | 1.20              | .33               |      |      |      |
| Neatsfoot, 20 deg. c.t..gal. | 1.31              | 1.28              | 1.46              | 1.26              | 3.45              | .95               |      |      |      |
| Red Oil, distilled ....lb.   | .09 $\frac{1}{2}$ | .09 $\frac{1}{2}$ | .09 $\frac{1}{2}$ | .09 $\frac{1}{2}$ | .17               | .07               |      |      |      |
| Stearic Acid, T. P. ....lb.  | .13               | .13               | .13 $\frac{1}{2}$ | .14 $\frac{1}{2}$ | .33               | .12               |      |      |      |
| Coconut, Ceylon, bbls..lb.   | .10 $\frac{1}{2}$ | .10 $\frac{1}{2}$ | .10 $\frac{1}{2}$ | .10               | .90               | .14               |      |      |      |
| Cottonseed, crude, tks..lb.  | .09 $\frac{1}{2}$ | .09 $\frac{1}{2}$ | .09 $\frac{1}{2}$ | .12               | .09               | .25               | .08  |      |      |
| Linseed, crude .. ....gal.   | 1.01              | 1.00              | 1.02              | .95               | 1.85              | .57               |      |      |      |
| Olive, denatured ....gal.    | 1.23              | 1.25              | 1.25              | 1.10              | 4.50              | 1.05              |      |      |      |
| Peanut, refined ....lb.      | .17               | .17               | .17               | .15 $\frac{1}{2}$ | .30               | .08               |      |      |      |
| Soya Bean, bbls.....lb.      | .13               | .13               | .12 $\frac{1}{2}$ | .11               | .19 $\frac{1}{2}$ | .07               |      |      |      |

Average ..... 0.490 0.482 0.488 0.467 1.30 0.362

A decided change has come over the market in fixed oils during the week. While more interest is being displayed in the market and demand has quickened, the prime factors in changing the complexion of the market have been cottonseed oil and tallow. Weather conditions in the South have been unfavorable and estimates of the cotton crop have been tending downward with the resulting strength in cotton and cottonseed oil. Tallow and lard have been more active and prices have started upward again. Grain markets, too, have been more active and corn has advanced materially. The linseed oil situation is tight as far as spot stocks are concerned, some crushers being unable to make prompt deliveries. In the flaxseed growing sections prices have advanced sharply during the week. Developments in Chinawood oil have been bullish owing to the difficulty in obtaining supplies from the primary market. In sympathy with the strength in the major oils, other fatty oils have made fractional advances. Fish oils continue firm owing to limited supplies. Turpentine and rosins are higher on increased demand.

#### Vegetable Oils

**Castor Oil**—Firm owing to limited seed supply. Crushers quote No. 1 17c lb., and No. 3, 16 $\frac{1}{2}$ c@17c lb.

**Chinawood Oil**—War activities in China are preventing the free movement of oil and shipments are spasmodic and uncertain. The spot market and future positions have strengthened. Barrels, spot, held at 16 $\frac{1}{2}$ c@17c lb.

and forward arrival, 16 $\frac{1}{4}$ c lb.; tanks, Oct., forward, at the Coast, 15 $\frac{1}{4}$ c@15 $\frac{1}{2}$ c lb.

**Coconut Oil**—In sympathy with the stronger market and increased interest, a firmer tone prevailed. Spot tanks of Ceylon being held at 9 $\frac{1}{4}$ c lb. and Cochin, 9 $\frac{3}{4}$ c lb. At the Coast, Manila is firm 8 $\frac{3}{4}$ c lb., tanks.

**Corn Oil**—Following strength in cottonseed oil and corn market, prices have turned upward with crude now quoted 9 $\frac{1}{2}$ c@10c lb. in buyers' tanks mills. Refined held at 11 $\frac{3}{4}$ c@12c lb.

**Cottonseed Oil**—Advances of over one hundred points were recorded during the week following bullish reports on cotton and unfavorable weather in the South. Buying has also been more active. Crude oil advanced to 9 $\frac{3}{4}$ c lb. at the mills and P.S.Y. to 11 $\frac{1}{4}$ c@11 $\frac{1}{2}$ c lb. as to position. Strength in lard also influenced the market. Refined held at 13c@13 $\frac{1}{4}$ c lb.

**Linseed Oil**—Supplies of spot oil have been decidedly scarce, some crushers being unable to make deliveries. Demand for futures has been active and prices have been advanced in all positions. Spot oil carlots quoted, \$1.01 and small lots, \$1.04; Oct., 97c; Nov., 95c; Dec.-Apr., 94c, carlots. Flaxseed prices have advanced sharply during the week. Winnipeg opened the week, Oct., \$2.42; Nov., \$2.35; Dec., \$2.30. Duluth, Oct., \$2.35; Nov., \$2.35; Dec., \$2.34; May, \$2.45. Buenos Aires, advanced 8c to \$2.13 $\frac{1}{2}$ . London linseed oil, 44/6. Antwerp, 387f.

**Olive Oil**—Commercial olive oil is stronger sales having been made at \$1.27 and bids of \$1.24 refused. Sellers asking \$1.25@1.30. Foots are firm at 9 $\frac{1}{2}$ c@9 $\frac{3}{4}$ c lb. for spot and shipment.

**Palm Oil**—In sympathy with the strength in other oil and better buying, prices have been advanced to 8 $\frac{1}{2}$ c lb. for Lagos, spot, and 8 $\frac{1}{4}$ c lb. for Niger.

**Rapeseed Oil**—Sales being made at higher prices and sellers now asking 92c@93c gal. for refined.

**Sesame Oil**—Firm at recent level of 12 $\frac{3}{4}$ c lb. for edible.

**Soya Bean Oil**—In somewhat limited supply and firm with crude named at 11c lb., Coast, tanks, and 13c@13 $\frac{1}{4}$ c lb., spot in barrels.

#### Animal Oils

**Greases**—Higher following the rise in tallow and lard. White named at 13 $\frac{1}{4}$ c lb.; yellow, 7 $\frac{3}{4}$ c@8c lb.; brown, 7 $\frac{1}{2}$ c lb.; house, 7 $\frac{3}{4}$ c lb.

**Lard Oils**—All grades have been advanced and producers now quote edible, 18 $\frac{1}{2}$ c lb.; off prime, 17 $\frac{3}{4}$ c lb.; extra, 14 $\frac{1}{4}$ c lb.; No. 1, 12 $\frac{1}{2}$ c lb.

**Neatsfoot Oil**—Firm on quiet demand with 20° cold pressed, 17 $\frac{1}{2}$ c lb.; pure, 15 $\frac{1}{2}$ c lb.; extra, 12c lb. and No. 1, 11c lb.

**Oleo Oil**—No. 1 is strong and scarce and price has advanced to 19 $\frac{3}{4}$ c lb.; No. 2, unchanged, 15 $\frac{1}{2}$ c lb.

**Red Oil**—A steady volume of business is reported and prices firm owing to strength in raw material. Quoted 9 $\frac{1}{4}$ c@9 $\frac{1}{2}$ c lb.

**Stearic Acid**—With tallow advancing makers are firmer in their quotations. Single pressed named at 10 $\frac{1}{2}$ c@11c lb.; double pressed, 11c@11 $\frac{1}{2}$ c lb.; triple pressed, 12 $\frac{1}{2}$ c@13c lb.

**Tallow**—Demand has picked up again and prices have



advanced rapidly during the week. Sales have been made at 8½c lb. and producers are asking 9c lb.

**Tallow Oil**—Higher owing to the rise in tallow. Acidless in tanks held at 11c lb. and barrels, 12½c lb.

#### Fish Oils

**Cod Oil**—The Newfoundland catch is reported small this year and prices are holding firm. Tank car business named at 55c@57c, spot and barrels, 62c@65c gal.

**Menhaden Oil**—No improvement has been reported in the crude oil situation. If anything catches have been worse and supplies of oil are decidedly small. Producers are asking 52½c@55c gal. with last sales at 52½c for crude at works. Light strained named and held at 68c in barrels and yellow bleached, 71c@75c gal., extra bleached, 73c@74c gal.

**Sperm Oil**—Routine demand with prices unchanged at 84c for 45° oil, spot, and 86c@88c for 38° cold test.

#### Naval Stores

**Turpentine**—Demand has shown considerable improvement while receipts have been small owing to the recent rains in the South. Savannah is firm, 84c and New York prices are higher at 90c gal. for spirits.

**Rosins**—Demand has been active all week and advances have been recorded in all grades. The outlook is for continued high prices. Quotations New York, B to M, \$6.75; N, \$7.00; WG, \$7.85; WW, \$8.50.

#### TURPENTINE STOCKS FIRMLY HELD

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Oct. 6.—Turpentine closed the week firm, 84c, following a decline in the middle of the week to 81c, but later reacting sharply upward. While no real shortage exists, receipts last week showed a material falling off owing to the recent unfavorable rainy weather in the South. Then, too, stocks are in strong hands, and well controlled by dealers. Present prices may not hold firm this week but the outlook for the latter part of October and following months is for higher prices. Receipts for the week, 2,413 bbls.; sales reported, 770 bbls. and as many more on P. T. sales; shipments, 5,028 bbls.; stock, 11,295 bbls. Rosins closed firm with all grades materially higher than a week ago. Buyers have been bidding freely and values appear likely to go to higher levels. Shipments continue to be greater than receipts. Receipts, 9,260 bbls.; sales, 6,119 bbls.; shipments, 19,017 bbls.; stock, 99,943 bbls.

Jacksonville, Oct. 4.—Turpentine closed firm, 83½c, about 2c higher than a week ago. Demand has been good and prices this week will be governed by the amount for sale. Rosins closed firm with a fair amount of strength to the market.

The Colordal Soap Co., Baltimore, has begun making soap powders. R. M. Pettit, who was formerly with Kendall Manufacturing Co., is president. The plant has a capacity of 20 to 30 tons a day.

One evening's entertainment at the annual convention of the National Paint, Oil & Varnish Association at the Hotel Ambassador, Atlantic City, N. J., in October, may be staged by Ned Wayburn.

Frederick Boehm, founder in 1888 of Fredk. Boehm, Ltd., chemical manufacturers and merchants, London, died at his home, Sudbury House, Harrow-on-the-Hill.

Bernard Schoenfeld, formerly of Fearon, Brown Co., New York, has opened an office at 160 Pearl st. as a broker in Oriental products.

Coconut oil and copra exported from Honduras are no longer subject to export duty.

#### PAINT AND OIL SUPPLIES WANTED

The general purchasing officer, Panama Canal, Washington, D. C., is asking bids until Oct. 23 for a quantity of oil, grease, turpentine and substitutes; paints and ingredients; paint remover; varnish; and glue, as per Circular 1633.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until Oct. 21 for a quantity of lard oil and lubricating grease for eastern and western yards, as per Schedule 2725.

An inquiry (42658) has been received by the Philadelphia Commercial Museum from W. Schendel, P. O. Box 424, Porto Alegre, Brazil, desiring to get in touch with manufacturers of caustic soda.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42673) from a company at Constantinople, Turkey, for glucose.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42675) from a concern at Havana, Cuba, for paint.

William H. Picher, who founded the Picher Lead Co. in 1890, and who was for many years the active head of that organization, died last week at St. Louis at the age of seventy-three. Mr. Picher, one of the pioneers in the lead mining industry of this country, was born in Springfield, Mo., and later lived in Carthage and Joplin, Mo. Sometime before the Eagle and Picher properties were merged in 1916 to form the Eagle-Picher Lead Co., Mr. Picher sold part of his interest to Marshall Evans, but retained an interest in the Eagle-Picher Lead Co. and was a stockholder in that corporation when he died.

Educational business sessions are to feature the meetings of the convention of the Paint Manufacturers' Association of the United States and the National Varnish Manufacturers' Association to be held at Atlantic City, Oct. 16-18, as well as the convention of the National Paint, Oil and Varnish Association, which is to follow on Oct. 20-22. The list of the speakers includes Ernest T. Trigg, Philadelphia; Granville M. Breinig and Charles J. Roh, Newark, N. J.; C. C. Fredericks, St. Louis; and Byron Schinn, of the Associated Advertising Clubs of the World, New York.

The United States Civil Service Commission announces that receipts of applications for positions of associate naval stores classifier and assistant naval stores classifier will close Nov. 11. The examinations are to fill vacancies in the Bureau of Chemistry, Department of Agriculture, at entrance salaries of \$3,000 and \$2,400 a year, respectively. Advancement in pay may be made without change in assignment up to \$3,600 a year for associate naval stores classifier, and up to \$3,000 a year for assistant naval stores classifier.

Federal Judge Runyon, Newark, N. J., has authorized the receivers of Southern Cotton Oil Co., a subsidiary of the Virginia-Carolina Chemical Co., to resume operation of thirty cottonseed crushing mills, thirty-two cotton gins, and seven peanut-shelling plants.

The washing powder storage house of Cudahy Packing Co., Omaha, Neb., was destroyed by fire on Oct. 4, together with the box factory and other buildings. Loss \$250,000.

The plant of Birmingham Cotton Oil Co., located near Woodlawn, Ala., has been sold for \$250,000 to Austin Boyd, of Memphis, who represents northern interests. Jefferson Fertilizer Co. has controlled this plant for the past few years.

## Chemicals for Consuming Industries

Heavy Chemicals, page 1104, Tan and Dyestuff, page 1121, Fatty Oils, page 1119

### PRICES IMMOVABLE IN STEADY BUYING

**No Noticeable Trend in Quotations for Chemicals—Occasional Tendency to Shade Prices in Competition—Less Heard of Higher 1925 Contracts—Demand Not Expanding as Rapidly as Expected**

In a steady consumption of chemicals, particularly the basic products such as ash, caustic, muriatic, sulfuric, and acetic, prices remain immovable. The market appears to have settled into a rut, the only untoward happening of the week past being a further reporting of price shading in competition, especially for spot imported goods. The occasional tendency to shade prices has apparently little effect on the general levels of the market, and, in turn, does not seem to be deterred in any way by higher shipment prices for numerous imported items. Less is heard of higher contract prices over 1925 for alkalis, and some of the standard chemicals. Excess stocks in several lines continue to weigh heavily on producers and may account for the apparent abandonment of the higher contract idea. Furthermore, demand since the first of September has not expanded as rapidly as was expected among chemical sellers, and this may be responsible to some extent for the dampened ardor of producers.

### Agricultural Chemicals

#### Trend of the Market

|                             | Today   | Last    | Last    | Last    | War     | Pre.    |
|-----------------------------|---------|---------|---------|---------|---------|---------|
|                             | Week    | Week    | Month   | Year    | Peak    | War     |
| Acid Sulfuric, 66% ....ton  | \$14.00 | \$14.00 | \$14.00 | \$15.00 | \$65.00 | \$20.00 |
| Ammonium Sulfate, 100 lbs.  | 2.53    | 2.50    | 2.45    | 3.15    | 7.75    | 2.65    |
| Arsenic .....               | .06%    | .06%    | .07%    | .15     | .18     | .04     |
| Copper Sulfate ....100 lbs. | 4.60    | 4.60    | 4.50    | 5.15    | 20.00   | 4.50    |
| Paris Green .....           | .25     | .25     | .30     | .20     | .50     | .11     |
| Potash Muriate, 90% ..ton   | 31.10   | 31.10   | 31.10   | 35.55   | 475.00  | 39.57   |
| Potash Sulfate, 90% ..ton   | 41.27   | 41.27   | 41.27   | 45.67   | 440.00  | 48.07   |
| Phosphate Rock, 68% ..ton   | 2.25    | 2.25    | 2.25    | 3.25    | 11.00   | 3.00    |
| Phosphate, Acid, 16% ..ton  | 8.75    | 8.75    | 8.25    | 8.50    | 21.00   | 15.00   |
| Sodium Nitrate ....100 lbs. | 2.40    | 2.40    | 2.45    | 2.42    | 5.00    | 1.90    |
| Average .....               | 10.734  | 10.734  | 10.660  | 11.860  | 103.54  | 13.84   |

High prices in several of the organic nitrogen products have affected the market. Buyers have been showing a tendency to wait out the sellers and already this has been reflected in lower quotations. Scarcity of fish scrap, however, cannot be denied and prices of this material continue firm. Ammonium sulfate supplies are rather limited. Nitrate of soda is easier. Insecticides and fungicides are quiet.

### Fertilizers

**Ammoniates**—Owing to the continued poor catches of fish, supplies of fish scrap are rather limited and prices are generally firm. Acid scrap held at \$4.25 and 50, works, and dried scrap, \$4.80 and 10; dried blood is easier at \$3.75, New York, and Chicago; tankage is holding around \$3.40, New York, and \$3.65, Chicago; bone steamed easier, \$22@23 unit, Chicago, and \$26, New York; cyanamide is subject to competition and prices are quoted \$1.65@1.75, New York basis.

**Ammonium Sulfate**—Most buyers are covered for the season and buying is quiet. Supplies are scarce, however, and prices firm. Quoted \$2.55@2.65 bulk, works.

**Sodium Nitrate**—Supplies are more than adequate for the present demand and prices are inclined to be easier, especially for the forward positions. Spot named at \$2.40 and future delivery up to \$2.42½@2.45 as to position.

**Phosphate Acid**—Moving steadily with full 16% material held at \$8.75, Balt., and up to \$9.00 ton for small quantities.

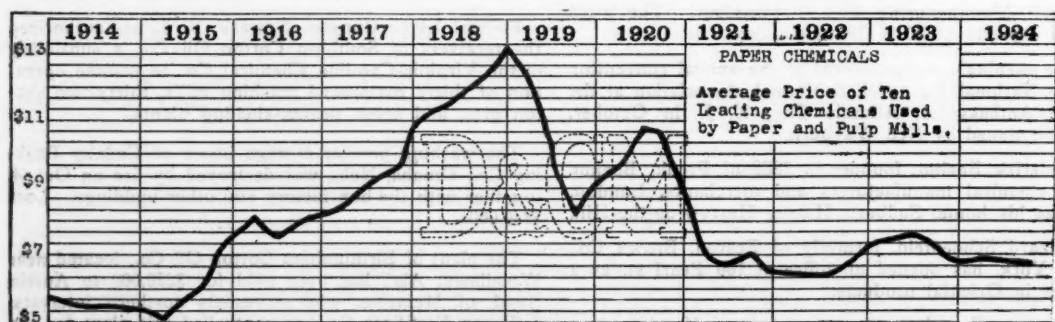
**Potash Salts**—New business is reported coming in steadily while deliveries on contract are in good volume. Prices continue at the recent schedule. Potash muriate, 80%, \$34.55 ton; sulfate, 90%, \$45.85; manure salts, \$10.55@26.35 ton as to grade; kainite, 12.4%, \$7.75. Prices, c.i.f. Atlantic ports, discounts up to 10% for 500 tons.

### Insecticides and Fungicides

**Arsenicals**—Calcium arsenate is unheard of at present and little interest will be shown until buying for next season opens up. White arsenic is moving occasionally with sales reported from 6½¢@7¢ lb.

**Copper Salts**—Nothing doing in copper sulfate for agricultural purposes at present. The metal is a trifle lower but the sulfate continues at recent levels of \$4.65 @ \$4.75 according to quantity. Copper carbonate is quiet with makers quoting 16¢@17¢ lb.

National Fabric & Finishing Co., which will bring under one ownership companies manufacturing textiles for shoe manufacturers, is being organized in Boston. The companies in the merger are the Lowell Bleachery, with finishing plants at Lowell, Mass., St. Louis, Mo., and Griffen, Ga.; Farnsworth Hoyt Co., Kallman-Newcomb Co., and W. H. Holbrook Co., of Boston; W. H.



Lippincott Co., Philadelphia, and Selser-Ballantyne Co., Cincinnati. The consolidation is for the purpose of effecting economies in production and distribution. The capital will be \$5,000,000.

### Leather Chemicals

#### Trend of the Market

|                              |        |        |        |        |         |        |
|------------------------------|--------|--------|--------|--------|---------|--------|
| Acid, Acetic, 28% .....      | \$3.12 | \$3.12 | \$3.12 | \$3.38 | \$17.00 | \$1.50 |
| Acid, Formic, 90% .....      | .12½   | .12½   | .13    | .12    | 1.50½   | .07    |
| Acid, Lactic, 22% dark ..... | .05    | .05    | .05    | .04½   | .07     | .02    |
| Potassium Bichromate .....   | .0894  | .0894  | .09%   | .10    | .65     | .06%   |
| Epsom Salt, tech. ....       | 1.70   | 1.70   | 1.70   | 1.75   | 3.75    | 1.00   |
| Sodium Prussiate, Imp. ..    | .09½   | .09½   | .09½   | .14    | 1.25    | .18    |
| Soda Ash, 58% wks. ....      | 1.38   | 1.38   | 1.38   | 1.45   | 4.10    | .69    |
| Sodium Bichromate .....      | .0694  | .0694  | .07    | .07½   | .45     | .04%   |
| Sodium Hyposulfite, pea. ..  | 2.50   | 2.50   | 2.50   | 2.75   | 3.75    | 1.80   |
| Sodium Sulfide, 60% wks. ..  | .03½   | .03½   | .03½   | .04½   | 10%     | .02%   |
| Average .....                | .925   | .925   | .925   | .989   | 3.267   | .528   |

No important activity is reported in leather chemicals and tanning materials. Prices are practically stationary at recent selling levels in chemicals, while a few tanning materials are strong owing to the limited supplies available. Sumac continues at recent higher prices while gambier and wattle bark are strong. Fish oils are decidedly stronger.

**Acids**—Carboy business in mineral acids is reported much better and prices are firmer than they have been. Acetic acid is moving well at \$3.12@3.37 as to quantity in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76; oxalic continues at 9½¢@10¢ lb.; formic has been easier at 11½¢@12¢ lb.; lactic moving at 5¼¢@5½¢ lb. for 22% dark, and 5½¢@6¢ lb. for light; 44% dark, 10½¢@11¢ lb.

**Alkalis**—Makers reported a good volume of business last month with shipments showing a steady increase.

Announcement of contract prices for next year is expected soon. In the meantime the former schedule continues. Soda ash, 58% light, in carlots, works, on contract, bulk, \$1.25, bags, \$1.38, and barrels, \$1.63. L/c/l business around New York \$2.04@2.19 in bags delivered, and in barrels, \$2.29@2.44. Caustic soda on contract, \$3.10 for solid in carlots, works, and ground and flake, \$3.60; spot l/c/l business, \$3.76@3.91 for solid, delivered, and flake, \$4.16@4.31.

**Chemicals**—Quiet routine demand with prices holding steady. Bichromates unchanged with potash bichromate, 8¾¢@9¢ lb., and soda, 6¾¢@7¢ lb.; sal ammoniac holding at 6¼¢ lb., spot for imported, and 7¼¢@7½¢ lb. for domestic; red arsenic quiet, 15¢@15½¢ lb.; Epsom salt firm, \$1.40 spot for imported technical, and \$1.75 for domestic; Glauber's salt, \$1.25@1.50; formaldehyde, 9¢ @9½¢ lb. and firm; potassium titanium oxalate, 25¢@30¢ lb.; sodium hyposulfite, 2½¢@3¢ lb.; sodium sulfide, quiet, 2¢@2½¢ lb. for crystals, and 3¢@3½¢ lb. for solid.

**Tanning Materials**—Market quiet, but very firm, with prices generally the same as last week. Divi divi is steady at \$42@43 ton; myrobalans extract declined slightly, selling at \$46@48 ton for J1; \$43@45 ton for R1; \$34@36 ton for J2; sumac is scarce at \$170@175 ton; wattle bark steady, \$37@39 ton; gambier extract 13¢@15¢ lb.; common, 15¢@16½¢ lb.; logwood, 8¢@9¢ lb.; Valonia cups, \$32 ton; chestnut extract, 1¾¢@2¢ lb.; quebracho, 3¢@3½¢ lb.; sumac, 7¢@8¢ lb.

E. I. du Pont de Nemours & Co. announce placing on the market as a new addition to the Ponsol Series previously developed, Ponsol Golden Orange R R T Double Powder for brown and tan shades.

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LOS ANGELES

PLANTS Marquette and Antrim, Mich.



## Paper Chemicals

### Trend of the Market

|                            | Today  | Last Week | Last Month | Last Year | War Peak | Pre-War |
|----------------------------|--------|-----------|------------|-----------|----------|---------|
| Aluminum Sulfate .....     | \$2.40 | \$2.40    | \$2.40     | \$2.40    | \$5.50   | \$1.50  |
| Bleaching Powder .....     | 1.90   | 1.90      | 1.90       | 1.50      | 9.50     | 1.50    |
| Casein .....               | 10%    | 10%       | 10%        | 14        | 28       | 20      |
| China Clay, Dom. ....      | 10.00  | 10.00     | 10.00      | 10.00     | 25.00    | 8.00    |
| Chlorine c/l Cyl. ....     | .05%   | .05%      | .05%       | .05%      | .30      | .08     |
| Salt Cake .....            | 19.00  | 19.00     | 19.00      | 23.00     | 80.00    | 11.00   |
| Sodium Silicate, 40° ..... | .80    | .80       | .80        | .80       | 1.75     | 2.00    |
| Soda Ash .....             | 1.38   | 1.38      | 1.38       | 1.45      | 4.10     | .69     |
| Sulfur .....               | 18.00  | 18.00     | 18.00      | 18.00     | 65.00    | 20.00   |
| Rosin F grade .....        | 6.75   | 6.35      | 6.20       | 5.90      | 4.50     | 20.25   |
| Average .....              | 6.00   | 5.960     | 5.915      | 6.436     | 13.30    | 5.50    |

A good volume of business is reported in paper chemicals as mills begin to show increased activity. Uncertainty regarding the future is still causing some hesitancy in buying ahead and most of the business is for current needs. Casein is a trifle weak with offerings below the recent levels. Bleach and chlorine prices appear firm.

**Alkalis**—Makers reported a good volume of business last month with shipments showing a steady increase. Announcement of contract prices for next year is expected soon. In the meantime the former schedule continues. Soda ash, 58% light, in carlots, works, on contract, bulk, \$1.25, bags, \$1.38, and barrels, \$1.63. L/c/l business around New York \$2.04@ \$2.19 in bags delivered, and in barrels, \$2.29@ \$2.44. Caustic soda on contract, \$3.10 for solid in carlots, works, and ground and flake, \$3.60; spot l/c/l business, \$3.76@ \$3.91 for solid, delivered, and flake, \$4.16@ \$4.31.



**Bleaches**—Shipments have been showing a steady increase, according to makers, and new business has increased. Announcement of contract prices for 1925 is expected to be later than usual this year owing to some uncertainty of election results. Prices continue firm with bleach named at \$1.90 in carlots, works, and less cars, \$2.05. Liquid chlorine, tanks, 4½c lb., works; carlots cylinders, 5½c lb.; less cars, 6½c lb.; ton lots and less, 7½c lb.

**Chemicals**—A steady improvement in buying is reported. Alumina sulfate, \$2.00@ \$2.25 for imported iron-free and \$2.25@ \$2.40 for domestic; technical, \$1.30@ \$1.35; sodium bisulfite, 4c@ 4¼c lb.; sodium silicate moving well, 75c in tanks, and 80c@ 85c in drums; blanc fixe, \$75@ \$80 ton; satin white, \$1.45@ \$1.50; salt cake, firmer, \$18@ \$20 ton.

**Sizings**—Offerings of odd lots are reported around the market under recent prices but prominent sellers are maintaining 10½c lb. as the inside price as against the offerings at 10c lb. Rosins have strengthened on increased demand. Prices have advanced from 25c@ 40c according to grade. New York quotations: B to M, \$6.75; N, \$7.00; G, \$7.85; WW, \$8.50.

A block of \$1,690,000 of the first mortgage twenty-year 6 per cent bonds of American Writing Paper Co. were sold at public auction in the Exchange Sales Rooms in Vesey st., Oct. 1, for 10 cents on a dollar, a price considerably below the quotation for these bonds on the New York Stock Exchange.

Carbon black production from natural gas in the United States in 1923 amounted to 138,262,648 pounds, an increase of 104 per cent over the production in

# VICTOR CHEMICAL WORKS


## CHICAGO, ILL.

### Tri-Sodium Phosphate

Phosphate of Soda  
Epsom Salts  
Ammonium Phosphate  
Phosphoric and Formic Acids

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INDUSTRIAL CHEMICAL SECTION



1816 **CHEMICALS** 1924

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**AUSTIC SODA**  
**HLORINE PRODUCTS**

Manufactured by  
**ISCO CHEMICAL CO., Niagara Falls**  
SOLE DISTRIBUTORS

**INNIS, SPEIDEN & CO., Inc.**  
*Manufacturers, Importers, Exporters of Industrial Chemicals*

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Murphysboro, Ill.  
Owego, N. Y.



1922, according to the U. S. Geological Survey. The large increase in production was due to the demand for carbon black by rubber companies in 1922. The number of producers reporting to the Survey increased from 26 in 1922 to 47 in 1923, and the number of plants increased from 43 to 69. Overproduction late in 1923 increased stocks from 2,434,547 pounds on Jan. 1, 1923, to 38,320,814 pounds on Dec. 31, 1923.

### Rubber Chemicals

#### Trend of the Market

|                           | Today        | Last Week    | Last Month   | Last Year    | War Peak     | Pre-War   |
|---------------------------|--------------|--------------|--------------|--------------|--------------|-----------|
| Antimony Sulfide Crim.... | \$39         | \$39         | \$39         | \$35         | \$45         | \$35      |
| Carbon Bisulfide .....    | .06          | .06          | .06          | .06          | .50          | .10       |
| Carbon Black .....        | .09          | .09          | .12          | .15          | .30          | .14       |
| China Clay, Imp.....      | 16.00        | 16.00        | 16.00        | 16.00        | 20.00        | 14.00     |
| Hexamethylene .....       | .82½         | .82½         | .82½         | .97          | 1.35         | .05       |
| Iron Oxide, Span. ....    | .03          | .03          | .03½         | .04          | .04½         | .05       |
| Lithopone .....           | .06½         | .06½         | .06½         | .06          | .08          | .04       |
| Sulfur .....              | 3.05         | 3.05         | 3.05         | 2.50         | 6.50         | 2.75      |
| Whiting, Dom. ....        | 14.00        | 14.00        | 14.00        | 18.00        | 30.00        | 11.00     |
| Zinc Oxide, Amer. ....    | .08          | .08          | .08½         | .07          | .09½         | .09       |
| <b>Average .....</b>      | <b>3.458</b> | <b>3.458</b> | <b>3.464</b> | <b>3.820</b> | <b>5.931</b> | <b>..</b> |

The scarcity in imported whiting has featured the rubber chemical market during the week. No supplies are expected to arrive in this country until the last of this month or the first of next. Prices have not been changed, however, on account of the depletion of spot stocks, and domestic manufacturers are taking care of the demand. Consumers have shown little disposition to take on supplies over the amounts that will carry them for a short time only. Sellers, on the other hand, think that with spot prices generally equal to replace-

ment costs, buyers cannot go wrong in purchasing in larger quantities.

**Acid**—Acetic is unchanged at \$3.12@3.37 cwt. for 28 per cent material; \$5.85@6.10 for 56 per cent; \$7.20 @ \$7.45 for 70 per cent; \$8.19@8.44 for 80 per cent, commercial; \$9.98@10.23 for 80 per cent, pure; and \$11.00@11.75 for glacial goods.

**Accelerators**—Inquiry has been along routine lines with makers naming 16c@17c lb. works and 17c@18c lb. spot for aniline oil. Diphenylguanidine is steady with holders naming \$1.10@1.15 lb. spot as to quantity. Hexamethylene is in fair demand at 82½c@85c lb. spot. Litharge is quiet at 10½c@11c lb. spot. Quinoidine, 40c lb. spot in drums. Thiocarbamide, 27c@29c lb. spot.

**Colors and Compounding Materials**—Demand has been broadening slightly, and a few scarcities have been the means to stimulate interest. Antimony sulfurette is active with makers quoting 19c@24c lb. spot, and 39c@50c lb. for crimson material. Blanc fixe is steady at 4c@4½c lb. f.o.b. New York. Carbon black is easier in primary market at 5¾c lb. in c/l; 9c@10c lb. spot in 1/c/l for ordinary; 10c@11c lb. for air floated; and 9c@10c lb. for compressed. Magnesium carbonate is in fair demand at 8¾c@8¾c lb. spot, and calcined at 5½c lb. Talc is quoted steady at \$14@15 ton works or \$25 @ \$26 ton ex-warehouse; French, \$40@45 ton; and Italian, \$60@80 ton. White barytes is active at \$29@ \$34 ton for imported, and \$23@25 ton works for domestic goods. Imported whiting is scarce at \$18@19 ton spot, domestic \$13@15 ton. Zinc oxide, 8½c@9c lb. spot.

**Mineral Rubber**—In steady demand at \$35@75 ton as to quality.

# HF & G

## Glycerin

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Hanna Building, Cleveland

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Fast to light, alkali and acid. Recommended for buff, amber and golden rod shades.

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(A purified Chrysoidine of excellent solubility.)

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(A super Bismarck Brown.)

### BASIC PAPER BLUE

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"STANDARDS EVERYWHERE"

**Solvents**—C. P. acetone remains firm at 16c@17c lb. works in c/l. Benzene is scarce and firm at 25c gal. works in tanks, and 30c gal. in drums for pure goods. Ninety per cent material held at 23c gal. in tanks, and 28c gal. in drums.

**Sulfur**—In routine demand only at \$3.05@\$3.30 cwt.; and superfine, \$2.50@\$2.90 cwt.

### Textile Chemicals

#### Trend of the Market

|                             | Today  | Last Week | Last Month | Last Year | War Peak | Pre. War |
|-----------------------------|--------|-----------|------------|-----------|----------|----------|
| Acid, Acetic, 28% .....     | \$3.12 | \$3.12    | \$3.12     | \$3.38    | \$17.00  | \$1.50   |
| Acid Oxalic .....           | .09½   | .09½      | .09½       | .12       | .70      | .07½     |
| Bleaching Powder .....      | 1.90   | 1.90      | 1.90       | 1.50      | 9.50     | 1.50     |
| Copper Sulfate .....        | 4.60   | 4.60      | 4.60       | 5.30      | 20.00    | 4.50     |
| Epsom Salt, U.S.P. ....     | 2.15   | 2.15      | 2.15       | 2.25      | 4.25     | 1.80     |
| Glauber's Salt .....        | 1.25   | 1.25      | 1.25       | 1.25      | 2.50     | .80      |
| Potash, Caustic, Imp. ....  | .07    | .07       | .06¾       | .07¾      | .57      | .12      |
| Soda Ash, 58% wks. ....     | 1.38   | 1.38      | 1.38       | 1.45      | 1.10     | .60      |
| Soda Caustic, 76% wks. .... | 3.10   | 3.10      | 3.10       | 3.16½     | 9.50     | 1.80     |
| Sodium Bichromate .....     | .06¾   | .06¾      | .07        | .08       | .45      | .04½     |
| Average .....               | 1.778  | 1.778     | 1.778      | 1.735     | 4.800    | 1.42     |

No important demand has developed though the volume of business is stated to have increased noticeably over the Summer months. Textile mills are showing increased activity in all sections. Chemical prices are showing little variation from previous quotations. Higher grain markets have strengthened starches and dextrines.

**Acids**—Carboy business in mineral acids is reported much better and prices are firmer than they have been. Acetic acid is moving well at \$3.12@\$3.37 as to quantity

in barrels; 56%, \$5.85@\$6.10; glacial, \$11.01@\$11.76; oxalic continues at 9½c@10c lb.; formic has been easier at 11½c@12c lb.; lactic moving at 5¼c@5½c lb. for 22% dark, and 5½c@6c lb. for light; 44% dark, 10½c@11c lb.

**Alkalis**—Makers reported a good volume of business last month with shipments showing a steady increase. Announcement of contract prices for next year is expected soon. In the meantime the former schedule continues. Soda ash, 58% light, in carlots, works, on contract, bulk, \$1.25, bags, \$1.38, and barrels, \$1.63. L/c/l business around New York \$2.04@\$2.19 in bags delivered, and in barrels, \$2.29@\$2.44. Caustic soda on contract, \$3.10 for solid in carlots, works, and ground and flake, \$3.60; spot 1/c/l business, \$3.76@\$3.91 for solid, delivered, and flake, \$4.16@\$4.31.

**Bleaches**—Shipments have been showing a steady increase, according to makers, and new business has increased. Announcement of contract prices for 1925 is expected to be later than usual this year owing to some uncertainty of election results. Prices continue firm with bleach named at \$1.90 in carlots, works, and less cars, \$2.05. Liquid chlorine, tanks, 4½c lb., works; carlots cylinders, 5½c lb.; less cars, 6½c lb.; ton lots and less, 7½c lb.

**Chemicals**—Prices are generally steady at recent levels. Sodium bichromate moving at 6¾c@7c lb. and potassium bichromate, 8¾c@9c lb.; copper sulfate is firm, \$4.65@\$4.90; Epsom salt, technical, firm, \$1.40 for technical, and \$1.75 for domestic; Glauber's salt firm, \$1.25 @ \$1.50; caustic potash is firm at 7c@7¼c lb.; potassium permanganate is easy at 13½c@14c lb.; potassium chlorate selling at 6½c@6¾c lb.; sodium acetate, 4¾c @5c lb.; sodium nitrite, firm, 9c@9¼c lb.



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## Yellow Prussiate of Soda Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

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| Henry W. Peabody & Co.,<br>17 State St., New York | Cable Address:<br>Blagdenite, London  |



**Starches and Dextrines**—Market very firm due to the high prices and general shortage in the grain market. Potato starch steady at 5½¢@6¢ lb. with spot scarce; sago flour dropped to 3¾¢ lb.; potato dextrine, 8¢ lb.; white corn dextrine, \$4.52@\$4.62 for cwt. bags; yellow, \$4.57@\$4.67; corn starch, powdered, \$3.97@\$4.07; pearl starch, \$3.87@\$3.97.

Andrew J. Peters, former mayor of Boston, has been elected president of Mason, Inc., which has been organized as a holding company for the stock of R. D. Mason Co., Pawtucket, R. I., the oldest dyeing and bleaching company in the country. Mr. Peters succeeds Frederick R. Mason, and the directors of the new company, which has obtained all of the stock formerly held by the Mason family, are W. J. Burton and Harold L. Clark, in addition to Mr. Peters.

American Woolen Co. started a full time schedule in all its mills this week. There has been a noticeable improvement in demand for wool goods in the past fortnight and many of the company's lines are sold up and withdrawn. The increased activity has not resulted yet in an increase in demand for chemicals and dyestuffs, but it seems certain that it soon must do so.

Worcester Bleach & Dye Works Co., Worcester, Mass., reports profit and loss account of \$653,932, Nov. 30, 1923. Accounts payable were \$72,883, against accounts receivable of \$46,506 and notes receivable of \$3,687. Real estate and machinery were valued at \$184,254, and securities were listed at \$429,359.

Lewiston Bleachery and Dye Works, Lewiston, Me., has received a million-yard order from the United States government.

# AMOSKEAG SHOWS LOSS OF \$2,851,131

At the annual meeting of the stockholders of the Amoskeag Co., Manchester, N. H., the report of Frederic C. Dumaine, treasurer, showed a manufacturing loss for the year 1923-24 of \$2,851,131.22. Mr. Dumaine said it was one of the poorest if not the poorest reports ever presented in the history of the company.

"The figures," he said, "offer an excellent illustration of the restrictive effect of high prices for cotton and the high cost of manufacturing combined. The most unfortunate part of it all is I am unable to tell you at the moment anything which might encourage you as to an improvement of conditions in the immediate future."

The company's trial balance indicates that after the payment of \$1,486,800 for dividends the net decrease in the company's assets is about \$4,000,000.

# NEW DYE AND FINISHING CO. ORGANIZED

Hanes Dye and Finishing Co. has applied to the Secretary of State of North Carolina for a charter. The company has a paid-up capital stock of about \$300,000, which is to be used in the construction of a new plant at Winston-Salem. Plans for the erection of the building, which is to be of brick, 120 by 240 feet, are being drawn in the Charlotte office of Lockwood, Greene & Co., engineers, of Boston and Atlanta. Bids for construction will be asked for soon.

The new company will dye piece goods, khaki goods for overalls, bags for vacuum cleaners, cloth tops for galoshes, upholstery for closed automobiles and other cloths. The manager of the finishing department is H. A. Jolitz of Charlotte.



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—and other vat dyes will be imported by us direct from the manufacturers.

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Acid, Basic, Chrome, Sulphur and Direct Colors, Intermediates, Cotton Finishes, Turkey Red Oils, Soluble and Leather Oils.

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132 Chestnut St., Philadelphia, Pa.  
316 Turk's Head Bldg., Providence, R. I.  
20 Natoma St., San Francisco, Cal.



**HEAR CHEMICAL FOUNDATION SUIT NOV. 10**

Arguments on the appeal of the government suit to recover from the Chemical Foundation the German dye and chemical patents seized during the war and sold by Francis P. Garvan will be heard by the U. S. Circuit Court of Appeals at Philadelphia, on Nov. 10. The appeal was to be heard this week, but the Foundation's attorney asked for more time to prepare the Foundation's brief in reply to the one submitted by the government. This was agreed to by Herman J. Galloway, special assistant attorney general, representing the government, and the court acquiesced. William G. Mahaffy said the Foundation's brief probably would be filed the latter part of this month. At the request of both counsel, the court also allotted two days for the argument, when it was explained that the trial of the suit before Judge Hugh M. Morris, in the District Court of Wilmington, Del., who dismissed the government's suit, took 35 days, and the arguments of counsel five days.

The forty-sixth general meeting of the American Electro-Chemical Society was held at the Hotel Tuller, Detroit, Mich., on Oct. 2. A symposium on corrosion was presented by Chairman Saklatwalla. F. N. Speller reviewed the various theories of iron corrosion. George K. Elliot was chairman of a round-table discussion on "Electric Furnace Cast Iron" opened by Dr. Richard Moldenke.

A considerable area of nitrate lands in Chile was purchased by the Guggenheim interests at an auction held in Santiago during September. Other American interests also bought nitrate lands; the total purchases by Americans being about one-half of the property sold. The amount realized was £1,500,000 sterling.

Fertilizer production in Greece was 18,218 metric tons in 1923, against 28,900 metric tons in 1922.

**RUSSIA NEEDS INTERMEDIATES AND DYES**

A five-months investigation of the Russian dye industry and the potential market for American coal tar dyes and intermediates has been completed by Joseph R. Minevitch, chemical engineer, 136 Liberty st., New York, for a large chemical machinery and equipment house. He says the Russian dye industry is not under German control. A protective tariff, higher than the United States tariff, has been placed on dyes; and the importation of those dyes which are made in sufficient quantity to supply domestic consumption, is prohibited.

The great need is for intermediates as the home industry is not able to supply them. Russia will call for about \$1,500,000 worth of intermediates and 4,450,000 pounds of finished dyes a year.

The Association of Chemical Equipment Manufacturers held its second annual meeting at the Chemists Club recently. The officers elected are: G. O. Carter, of Linde Air Products Co., president; E. C. Alford, of T. Shriver & Co., T. C. Oliver, of Chemical Construction Co., and L. S. Thurston, of General Electric Co., vice-presidents; P. S. Barnes, of Pfaudler Co., treasurer; and Pierce D. Schenk, of Duriron Co., and J. W. Spoten, of United Lead Co., directors for three years. Other members of the board of directors are Harlowe Harding, of Harding Co.; P. B. Sadtler, of Swenson Evaporator Co.; H. N. Spicer, of Dorr Co.; and R. Gordon Walker, of Oliver Continuous Filter Co. The association will hold the First Chemical Equipment Exposition in Providence, June 22 to 27, 1925.

Clark Chemical Co., Wickliffe, O., was totally destroyed by fire on Sunday, Sept. 30. Loss is estimated at \$200,000. The fire was caused by ignition of gas escaping from a broken hose used to fill oxygen tanks.

**CHEMICAL  
SEABOARD  
COMPANY**

**Methanol**  
(Wood Alcohol)

**Acetic Acid**  
(All Grades)

**Acetate of Lime**

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**COOPERS CREEK CHEMICAL COMPANY**  
WEST CONSHOHOCKEN, PA.

## UNITED DYEWOOD PASSES DIVIDEND

United Dyewood Corp. has passed the usual quarterly dividend of  $1\frac{1}{2}$  per cent on the common stock, due, directors state, to uncertainty of business conditions in the textile and leather industries. The report of United Dyewood Corp. and subsidiaries for six months ended June 30, 1924, shows net income of \$163,317 after interest, depreciation and taxes, equivalent after preferred dividends, to 24 cents a share earned on outstanding \$13,918,300 common stock.

Accounts of foreign subsidiaries are included at normal rate of exchange. If prevailing rates of exchange on June 30, 1924, were used, net income for six months would be reduced by \$79,570 and profit and loss surplus by \$868,814. Consolidated income account for six months ended June 30, 1924, follows:

|   |                  |
|---|------------------|
| Operating profit .....                  | \$337,150        |
| Other income .....                      | 21,963           |
| <b>Total income .....</b>               | <b>\$359,113</b> |
| Interest, depreciation, taxes, etc..... | 194,796          |
| <b>Net income .....</b>                 | <b>164,317</b>   |
| Preferred dividends .....               | 261,625          |
| Common dividends .....                  | 417,549          |
| Subsidiary dividends .....              | 53,714           |
| <b>Deficit .....</b>                    | <b>568,571</b>   |
| Profit and loss surplus .....           | 4,013,556        |

International Nickel Co. has declared a quarterly dividend of  $1\frac{1}{2}$  per cent on the preferred stock, payable Nov. 1 to holders of record Oct. 16.

## STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, Etc.,—REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

Of Drug & Chemical Markets, published weekly at New York, N. Y., for Oct. 1, 1924, State of New York, County of New York—ss:

Before me, a notary public in and for the State and county aforesaid, personally appeared N. W. Haynes, who, having been duly sworn according to law, deposes and says that he is the President of the Drug & Chemical Markets, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse side of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, N. W. Haynes, 3 Park Place, New York City; Editor, F. F. Burgin, 3 Park Place, New York City; Managing Editor, none; Business Manager, N. W. Haynes, 3 Park Place, New York City.

2. That the owners are: (If the publication is owned by an individual his name and address, or if owned by more than one individual the name and address of each, should be given below; if the publication is owned by a corporation the name of the corporation and the names and addresses of the stockholders owning or holding one per cent or more of the total amount of stock should be given.) Drug & Chemical Markets, Inc., 3 Park Place, N. Y. City; N. W. Haynes, 3 Park Place, New York City; Ira P. MacNair, 3 Park Place, New York City.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None such.

4. That the two paragraphs next above, giving the names of the owners, stockholders and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

Sworn to and subscribed before me this 1st day of Oct., 1924. G. H. Raymond, Notary Public, Kings County No. 143, Certificate filed New York County No. 382, New York County Register's No. 6306. (My commission expires March 30th, 1926.)

## Financial Notes

Sterling Products Corporation has declared a regular quarterly dividend of \$1 a share, payable Nov. 1.

The Drug and Chemical Club has filed a judgment for \$122.59 in New York County against Samuel M. Kookogey.

Allied Chemical & Dye Corp. has declared the regular quarterly \$1 a share common dividend, payable Nov. 1 to stock of record Oct. 15.

American Can Co. has declared the regular quarterly dividend of \$1.25 a share on the common stock, payable Nov. 15 to stock of record Oct. 31.

United Drug Co. has declared the regular quarterly dividend of  $1\frac{1}{2}$  per cent on the second preferred stock, payable Dec. 1 to holders of record Nov. 15.

National Carbon Co. has declared the regular quarterly dividend of 2 per cent on the preferred stocks, payable Nov. 1 to holders of record Oct. 20.

Stockholders of United States Gypsum Co. have ratified an increase in the common stock from 400,000 shares of \$20 par value to 500,000 shares of \$20 par value.

United States Smelting, Refining & Mining Co. has declared a quarterly dividend of  $1\frac{3}{4}$  per cent (87½ cents) on preferred stock, payable Oct. 15 to stock of record Oct. 9.

Canadian Industrial Alcohol Co. will give to shareholders two no par value shares for each one of \$25 at present held. On the street, the brokers figure on a dividend basis of about \$1.50 a share.

The balance sheet of United Drug Co. as of Aug. 31, 1924, shows current assets of \$26,179,871 and current liabilities of \$4,650,593, leaving net working capital of \$21,529,278, compared with net working capital of \$20,491,568 as of Jan. 1, 1924.

Anatto cultivation has recently come into some prominence in Jamaica, according to a report of the Jamaica Department of Agriculture, which says: "Although the crop was only 60 per cent of 1922, a return of over £11,000 was obtained, against £9,000 in the previous year."

Stockholders of Certain-Teed Products Corp. at a meeting in Baltimore authorized the issue of 340,000 shares of no par common stock and empowered directors to issue these shares at not less than \$40 a share. In June last the company had outstanding \$4,670,000 first preferred, \$2,675,000 second preferred and 92,000 shares of no par common.

An issue of \$12,500,000 bonds of United Drug Co., with 20 years to run, interest 6 per cent, has been sold by Kidder, Peabody & Co. and the Bankers Trust Co. The proceeds will be used to call the outstanding 8 per cent bonds due in 1941. These bonds will be called at 115 and interest and preference to their holders was given in the sale of the new issue.

Consolidated earnings of U. S. Smelting Co. for eight months of this year are estimated at \$3,262,883 after providing all interest. From these earnings there has been deducted reserve of \$1,431,773 for depreciation, depletion and amortization, leaving estimated net earnings of \$1,821,110 for the eight months' period. Preferred dividend requirements for the same period are \$1,134,816. Balance of \$686,294 is equal to \$1.95 a share (\$50 par) on the \$17,555,888 common stock outstanding.

## QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Oct. 4

| Bid                                | Asked   | Bid                                | Asked   |
|------------------------------------|---------|------------------------------------|---------|
| *Air Reduction .... 82 3/4         | 83 1/2  | Hercules Powder .... 84            | 88      |
| *Allied Chem. & D. .... 71 3/4     | 72 1/2  | Hercules Powd., pf. .... 103       | 105 1/2 |
| *Allied Ch. & D., pf. .... 115 1/2 | 117     | Heyden Chem. .... 3                | —       |
| *Am. Ag. Ch. .... 12 1/2           | 13      | Hooker Electro .... 10             | 12      |
| *Am. Ag. Ch., pf. .... 34          | 35      | Hooker Electro, pf. .... 35        | 45      |
| *Am. Chicel, pf. .... 81           | 82      | *Household Products. .... 34 1/2   | 34 1/2  |
| *Am. Chicel, pf. .... 78 1/2       | 85      | *Int. Agricult. .... 9 1/2         | 14      |
| *Am. Cyan. .... 98                 | 98      | *Int. Agricult., new 6             | 6 1/2   |
| *Am. Cyan., pf. .... 75            | 76 1/2  | *Int. Agricult., pf. .... 8 1/2    | 9 1/2   |
| *Am. Druggist S. .... 54           | 55 1/2  | *Int. Nickel, pf. .... 88          | 89 1/2  |
| Am. Glue .... 34                   | 35      | *Int. Nickel, pf. .... 17 1/2      | 17 1/2  |
| Am. Glue, pf. .... 101             | 104     | *Mathieson Alk. .... 36            | 38      |
| *Am. Linseed .... 19 1/2           | 20      | *Mathieson Alk., pf. .... 88 1/2   | —       |
| *Am. Linseed, pf. .... 39          | 40      | MacAnd. & Forbes. .... 147         | 150     |
| *Am. Metal .... 47                 | 48      | MacAndrews & Forbes, pf. .... 99   | 101     |
| *Am. Zinc .... 7 1/2               | 7 1/2   | Merck & Co., pf. .... 61           | 65      |
| *Am. Zinc, pf. .... 27 1/2         | 28 1/2  | Merrimac .... 81                   | 85      |
| Archer-Dan-Mid .... 22             | 22      | Mulford Co. .... 29                | 32      |
| Archer-Dan-Mid, pf. .... 86        | 90      | *National Lead .... 151            | 152 1/2 |
| *Atlas Powder .... 44              | 49 1/2  | *National Lead, pf. .... 116 1/2   | 118     |
| *Atlas Powd., pf. .... 88 1/2      | 91      | N. J. Zinc .... 157                | 160     |
| By-Prod. Co. .... 35               | 40      | Niag. A., pf. .... 80              | 85      |
| By-Prod. Co., pf. .... 100         | 108     | Parke, Davis & Co. .... 77         | 80      |
| Canad. Ind. Al .... 28             | 30      | Penn Salt .... 82                  | 84      |
| Canad. Salt .... 95                | 100     | *Peoples Gas, Chi. .... 107        | 107 1/2 |
| Casolin Co. .... 60                | 67      | Procter & Gamble. .... 106         | 109     |
| Celluloid Co. .... 55              | 60      | Procter & Gam., pf. .... 106       | 108     |
| Celluloid Co., pf. .... 90         | 101     | Royal Bk. Pa. .... 138             | 142     |
| Charcoal Iron .... 35              | 40      | Royal Bk. Co., pf. .... 98 1/2     | 100     |
| Ches. Mfg. .... 48 1/2             | 50      | Shawinigan .... 4                  | 6       |
| Ches. Mfg., pf. .... 110           | 115     | Shawinigan H. .... 130             | 132     |
| Clark Co. Fred .... 2              | 3 1/2   | Sherwin-Williams .... 28 1/2       | 29 1/2  |
| Cleve. Cliffs Iron. .... 75        | —       | Sherwin-Will., 1st pf. .... 103    | 105 1/2 |
| *Com'l Solv. A. .... 63 1/2        | 67      | *Sterling Prod. .... 61 1/2        | 62 1/2  |
| *Do B. .... 62 1/2                 | 63      | Swan & Finch .... 42               | 47      |
| *Corn Products .... 36 1/2         | 36 1/2  | *Tenn. C. & Chem. .... 7 1/2       | 8       |
| *Corn Products, pf. .... 121 1/2   | 123     | *Tex. Guit. Sul. .... 78 1/2       | 79      |
| *Davison Chem. .... 46 1/2         | 46 1/2  | Union Carbide .... 69 1/2          | —       |
| Dow Chem. non par. .... 52         | 54      | *Un. Drug .... 92 1/2              | 93      |
| Dow Ch., pf. .... 94               | 98      | *Un. Drug 1st pf. .... 49 1/2      | 49 1/2  |
| Dow Drug Co. .... 130              | 175     | *Un. Dyewood .... 49               | —       |
| Dow Drug Co., pf. .... 104         | 106     | *Un. Dyewood, pf. .... 88          | 88      |
| *Du Pont de Nem. .... 128 1/2      | 128 1/2 | Un. Gas Imp. .... 79               | 79 1/2  |
| *Du Pt. de Nem. Db. .... 91 1/2    | 92 1/2  | Un. Gas Imp., pf. .... 57          | —       |
| *Eastman Kodak .... 100            | 110     | U. S. Gypsum .... 114              | 116     |
| *Eastman Kodak, pf. .... 110 1/2   | —       | *U. S. Indus. Al. .... 69          | 69 1/2  |
| *Freeport Tex. .... 8              | 8 1/2   | *U. S. Indus. Al., pf. .... 96 1/2 | 104 1/2 |
| *Genl. Asphalt .... 41 1/2         | 42      | *Va. Car. Ch. .... 1 1/2           | 1 1/2   |
| *Genl. Asphalt, pf. .... 80        | 83 1/2  | *V. Vivaudou .... 9 1/2            | 9 1/2   |
| *Gold Dust .... 36 1/2             | 39      | Will & Baumer .... 12              | 15      |
| Grasselli .... 123 1/2             | 124     |                                    |         |
| Grasselli, pf. .... 102 1/2        | —       |                                    |         |

\*Listed on New York Stock Exchange  
Unlisted Stocks Through Courtesy Pynchon & Co.

## FOREIGN EXCHANGE

|  | Par     | Current |
|--|---------|---------|
| Great Britain (pound sterling) .....     | \$4.866 | \$4.46  |
| France (franc) .....                     | 1.93    | .053    |
| Italy (lira) .....                       | 1.93    | .044    |
| Germany (mark) per hundred .....         | 23.80   | —       |
| Czechoslovakia (crown) per hundred ..... | 20.30   | .080    |
| Poland (zloty) .....                     | 1.93    | .192    |
| Japan (yen) .....                        | 499     | .398    |
| Holland (florin) .....                   | 402     | .387    |
| Spain (peseta) .....                     | 1.93    | .133    |
| Belgium (franc) .....                    | 1.93    | .048    |
| Switzerland (franc) .....                | 1.93    | .190    |
| Norway (krone) .....                     | 2.68    | .142    |
| Sweden (krone) .....                     | 2.68    | .266    |
| Denmark (krone) .....                    | 2.68    | .174    |
| Argentina (peso) .....                   | 4.24    | .366    |
| Brazil (milreis) .....                   | 3.24    | .111    |
| India (rupee) .....                      | 4.85    | .332    |
| China (Silver dollar—Hongkong) .....     | 7.89    | .541    |
| (Tael—Shanghai, silver) .....            | 1.986   | .767    |
| (Tael—Peking, silver) .....              | 1.156   | .795    |

## CHEMICAL COMPANIES ENTER JUDGMENTS

Barrett Co. has filed judgment for \$447.84 in New York County against Joseph Diamond.

Eclipse White Lead & Color Co. has filed judgment for \$151.35 in New York County against Roderick Knoll.

E. I. du Pont de Nemours & Co. have entered judgment for \$110.70 against A. & Y. Painting Co., New York.

Judgment against American Medical Products Co. for \$1,050.71 has been filed in New York County by Hardie Realty Co.

## New Incorporations

**In the Chemical, Drug, Oil Producing and Consuming Fields**  
Interior Pulp and Paper Co., New York, \$8,500,000. To manufacture bags and envelopes. United States Corporation Co.  
Seymour Inlet Timber and Pulp Co., Wilmington, Del., \$32,000,000. Corporation Trust Co. of America.

American Cosmetic Corp., Brooklyn, N. Y., 80 shares preferred stock, \$100 each; 1,200 common, no par value. I. V. Neprash, B. S. Schmidt, T. Smirnoff. Attorneys, Dreschler, Ornstein & Seff, 225 Fifth Ave., New York.

Bromo Vinegar and Chemical Co., Dover, Del., \$100,000. Jack Bernstein, Samuel Lockman, Alec. Bernstein, Philadelphia. Capital Trust Co. of Delaware.

Weatherford Cotton Oil Co., Weatherford, Tex., \$75,000. J. D. Clinton, P. R. Draselt, P. A. Clifton, Weatherford.

Da Lav Chemical Co., Inc., Newark, N. J., \$50,000. David Levin, David Weinock. Representative, William Krueger, 207 Market St., Newark.

Consolidated Clay Corp., Wilmington, Del., \$10,000,000. To make pottery, tile and other burned clay products. Corporation Trust Co. of America.

Illinois Alcohol Co., Belvidere, Ill., \$350,000. Attorneys, Alschuler, Putnam & Flannigan, Aurora, Ill.

United States Fertilizer Chemical Co., East Orange, N. J., \$500,000. Theodore Rodman, Joseph J. Quinn, East Orange; W. Bausch, Hoboken, N. J. Representative, S. D. Townsend, Jr., 525 Market St., Wilmington, Del.

San Antonio Soap & Refining Co., San Antonio, Tex., \$100,000. W. M. Foster, E. N. Badger, C. G. Meusebach, San Antonio.

Indiana Hide & Tallow Co., Huntington, Ind., \$100,000. Clarence E. Juillerat, John Karst, Emmett Harger, Huntington.

American Toilet Goods Co., Boston and Paris, France, \$100,000. Cornelius R. Keeley, Simon H. Kugell, Boston; Ralph L. Orne, Lexington, Mass.

Vineyard Products, Inc., Boston, \$25,000. To operate under permits under the National Prohibition Act. Frederick Murray, Phillips Beach, Mass.; Alfred Rothenberg, Swampscott, Mass.; William J. Shutt, Watertown, Mass.

Capital Tire & Rubber Co., Wilmington, Del., \$100,000. M. M. Lucey, M. B. Reese, D. S. Dorsey. Colonial Charter Co., Wilmington.

K. & W. Rubber Co., Delaware, Ohio, \$250,000. Ora Krichbaum, G. V. Krichbaum, C. P. Thompson, H. D. Byerly, T. C. Weddell, Delaware, O.

La Facile, Inc., Akron, O., 1,000 shares, no par value. Rubber manufacturing. W. C. Arthur, 500 South Main St., Akron, O.; J. E. Campbell, L. N. Slade, Oyster Bay, N. Y.

Perfection Rubber Co., Wilmington, Del., \$250,000. To manufacture rubberized fabrics. B. V. Saye, L. C. Christy, H. Kennedy. Corporation Service Co., Wilmington.

Rubber Products Co. of America, Dover, Del., \$1,000,000. E. E. Craid, H. L. Raughley, M. E. Scanlon, Dover. United States Corporation.

## Canadian Incorporations

Milton Wood Impregnating Co., Ltd., Milton, Ont., \$500,000. To treat wood with preservatives. Franklin W. Turnbull, Rudolph Boez, Walter D. Cowan.

Consolidated Paper Co., Ltd., London, Ont., \$300,000. To manufacture paper. Gerald T. Shipman, Thomas J. Murphy, Albert H. Murphy.

Hudson Bay Woolen Co., Ltd., Milton, Ont., \$100,000. To manufacture textiles. Robert G. Long, James H. H. Robertson, James G. Nicholson.

Three new high records were established in the number of cars loaded with revenue freight on the railroads of the United States during the third week in September, according to the report of the Car Service Division of the American Railway Association. The total of 1,076,553 cars were a new mark for the corresponding week in the history of the railroads. Merchandise and less than carload freight with a total of 257,469 cars, 3,155 more than the previous week, was a new record for all time. The third record was in the movement of miscellaneous cars, which totaled 315 more than the previous high. These loadings amounted to 397,877 cars.

Frank L. Young Co., Boston, oils and greases, reports surplus of \$105,740 at the close of fiscal year June 30 last. The statement shows accounts receivable of \$62,100 and notes receivable of \$638, against which are accounts payable of \$14,873 and notes payable of \$130,000. Mortgages are \$25,000. Real estate and equipment are valued at \$162,950, merchandise \$345,846, treasury stock \$100,000, tank cars \$10,256. The company is capitalized at \$455,300.





# Drug & Fine Chemical

## SECTION



## Statistical Position of Oil Peppermint

*Small Carry-Over from Last Year and Increased Consumption Aid Farmers in Maintaining High Prices*

THE statistical position of oil peppermint is strong, owing to the small carry-over last year, the financial strength of the farmers of the Middle West, and the growing tendency to increased consumption, due primarily to the entrance of domestic menthol manufacturers into the oil peppermint field. From September, 1923, to June, 1924, stocks were being consumed faster than was generally conceded. When prices did not react in accord with the withdrawal of stocks, dealers began to check up the available supplies, and found that no one house had sufficient quantities to carry them through the distilling season. Dealers made inquiries at the source regarding the prospects of the 1924 crop, but the farmers refused to estimate and would not quote for future delivery.

The farmers seem to be financially able to hold stocks for some time to come. Last year prices were high and a good profit was realized on most of the crop. Reports are heard that some of the growers attempted to side-track the cheap contracts, and sell in the open market at advanced prices. The producers entered the 1924 season with sufficient capital to try out the market at various times by offering small lots and saying it was all they had. In another week they would offer more. Some offers of 2,000 pound lots at \$5.25 per pound have been received from the West, but the majority of the holders are not inclined to sell at that

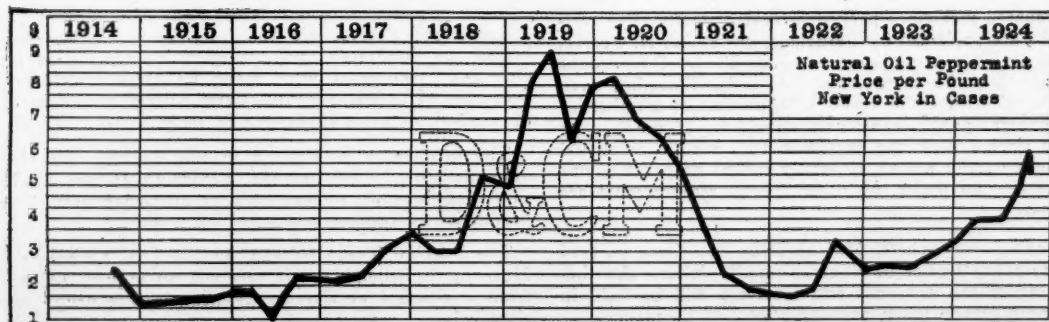
Market and financial conditions, which control the present price of oil peppermint, are summarized by the trade as follows:

1. Oil peppermint carry-over small last year.
2. Producers financially able to hold out for a time at least.
3. Japanese menthol tends to regulate price of the oil.
4. Dealers stocked heavily between \$5.50 and \$5.75 pound.
5. London reports quiet market.
6. Disposition of dementholized product, a problem.
7. Oregon oil peppermint production increasing.

price at the present time.

If the price of oil peppermint declines sufficiently to permit domestic menthol manufacturers to purchase in a big way, a reaction would take place, in all probability. With Japanese menthol at \$13.25 pound, the present price of oil peppermint would hardly warrant any extensive purchasing of the oil by domestic makers. About a year ago, when menthol sold at \$19 per pound, after the Japanese earthquake, and oil peppermint was being quoted at \$4.35 per pound, the margin was ample to warrant the domestic manufacture of menthol. With this new outlet, which depends entirely upon the difference between the price of oil peppermint and Japanese menthol, holders of oil peppermint will not risk a loss. The primary market has shown a tendency to withhold information in regard to stocks in Michigan. The oil in dealers hands is said to have cost from \$5.50 to \$5.75 pound, although the spot price, during the recent rise, went considerably higher. If any apparent weakness develops in the country, dealers are prepared to buy and average up their stocks.

The spot market is quiet, and trading appears to be negligible, with both dealers and producers waiting for something to happen. Any move on the part of the large dealers on spot will be followed closely by the country operators. A large part of the goods that have been received on spot within the last three weeks,



have been reshipped to London for disposition on the Continent. Latest reports state that these stocks are practically intact, waiting for demand to pick up. Holders of these goods are not alarmed, because they feel that they will get their investment back and more too providing they wait a few months.

The disposition of the dementholized oil during the past year has been a problem confronting the essential oil houses. Practically all the oil peppermint firms have refused to use this oil to lower the menthol content, even if the test ran as high as 60 per cent for some lots. While U.S.P. requirements call for only 50 per cent menthol, the dealers are content to sell their oil as is, although it tests high. If sufficient quantities are produced as a by-product from the manufacture of menthol, possibilities exist for this dementholized oil to compete with the Japanese oil in the European markets. Until the quantity produced becomes worth while, absorption of this "spent" oil will naturally have some bearing on the spot price of oil peppermint. The high testing oil from Michigan is an exception rather than the usual run of oil. In Oregon oil peppermint averages around 60 per cent. Little of this material comes East, most of it being consumed on the Coast. The acreage is increasing year by year, and some houses feel that Oregon will become an oil peppermint factor in the future.

#### IMPORTER PREDICTS MENTHOL JUGGLING

"Menthol will remain firm for the next two weeks and then decline gradually up to the first of the year at which time the price will advance sharply," says a leading menthol importer in New York. "Of course," he states, "we are taking it for granted that the Japanese will be able to boost the price after they have depressed the market materially. The system is as old as the hills," he says. "The menthol manufacturer lowers his price just prior to the harvest, and then when he has covered, advances it. This procedure has not always been successful, but in the majority of instances it has worked to perfection. Prompt shipment is named at \$10.50 per pound, while January-March shipment is quoted at \$9.25 per pound."

The difference of seventy-five cents per pound is not considered sufficient for these two positions under ordinary circumstances, or compared with other quotations received lately.

Importers of Japanese menthol say that the domestic oil peppermint grower has kept the domestic menthol manufacturer from buying the oil. The grower jumped his price too rapidly, they say, expecting he had a large outlet for his oil, and that this source would take from 50,000 to 100,000 pounds of peppermint. When the demand did not materialize, he was forced to reduce his price, and is now quoting a dollar a pound less.

Prepared medicines packed in neat and attractive containers are preferred by Peruvians, writes W. N. Pearce, assistant trade commissioner, Lima, Peru. On account of the difference in price, and in order that they may be placed within the reach of the greatest number of the general public, containers should be of medium or small sizes. With the exception that containers should be hermetically sealed, either by means of paraffin wax or waterproof paper, no other special requirements are necessary.

Creditors of Schoitz-Mutual Drug Co. have refused the company's offer of 50 cents on the dollar. Another meeting of the creditors and receivers will be held in the near future, when another offer will be made.

DRUG AND FINE CHEMICAL SECTION

#### BOND LEAVES PARKE, DAVIS & CO.

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, Oct. 8.—J. Emory Bond, for nearly eighteen years manager of the Baltimore branch of Parke, Davis & Co., in the Coca-Cola building, has been retired at his own request and has acquired an interest in the firm of Leroy Oldham & Co., distributing agents for drugs, chemicals, oils and raw materials for the wholesale and manufacturing oil, paint and drug trade. Mr. Bond has been connected with Parke, Davis & Co. for over twenty-seven years, succeeding as manager in Baltimore Oscar Smith, the present head of the corporation. F. P. Wonnlich, a relative of Mr. Smith, who has been Mr. Bond's assistant, succeeded to the vacancy created by the retirement.

Mr. Bond has served for a number of years as secretary of the Baltimore Drug Exchange. Mr. Oldham, head of the firm in which Mr. Bond has become a partner, was formerly connected with H. B. Gilpin Co., wholesale druggists.

United States imports of oil geranium during eight months ending Aug. 31 were 81,169 pounds, valued at \$516,565; oil thyme, 105,372 pounds, valued at \$65,149; oil bergamot, 57,740 pounds, valued at \$179,637; oils citronella and lemongrass, 646,643 pounds, valued at \$425,890; oil lavender, 76,621 pounds, valued at \$207,758; oil lemon, 394,937 pounds, valued at \$257,511; oil orange, 135,788 pounds, valued at \$351,234; and oil sandalwood, 49,691 pounds, valued at \$237,450.

Menthol stocks are admittedly light, but no pressure has been exerted to sell, according to Dodwell & Co., New York, importers of Far Eastern products, who say: "As the market now stands spot is being openly quoted, each operation being a separate transaction between buyer and seller, governed largely by the size of the inquiry and the buyer's necessity."

The Commissioner of Internal Revenue has approved an opinion given by the legal department of the Prohibition Unit, making it impossible, under certain conditions, for the distributor of industrial alcohol to recover the tax paid, when the alcohol is destroyed by fire, railroad wreck, or any other unavoidable cause.

Cod liver oil is firm in London with a tendency to higher levels. The supplies in Norway are strongly held, and with the approach of the large consuming demand, buying is expected to increase. Quotations vary from 105s to 110s per barrel as to brand.

Imports of essential oils (other than turpentine) into the United Kingdom during August were 376,094 pounds, valued at £95,588, compared with 306,731 pounds, valued at £93,447 for a like period of 1923. August re-exports were 109,440 pounds, valued at £30,838, compared with 25,692 pounds, valued at £13,080, in 1923.

Rensselaer Polytechnic Institute, Troy, N. Y., celebrated the hundredth anniversary of its foundation on Oct. 3-4. Addresses were made by Herbert Hoover, Secretary of Commerce, and Luigi Luiggi, president of the Society of Civil Engineers of Italy.

The production of vanillin in this country for 1923 amounted to 269,941 pounds, according to the Tariff Commission report on synthetic organic chemicals. The production of coumarin was 114,682 pounds.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42681) from a concern at Caracas, Venezuela, for drugs and chemicals.

## Small Profit in Wholesale Drug Business

**Harvard Business School Estimates It Less Than One and One-Half Cents Per Dollar of Sales—Reports for 1923 Received From 117 Firms in 38 Cities—Sales in 1923 About Nine Per Cent Higher Than in 1922—Nine Firms Reported Total Sales Expense of More Than 20 Per Cent of Net Sales—Others Reported Less Than 13 Per Cent—Cost of Advertising for Various Classes**

A final divisible profit of less than one and one-half cents per dollar of sales in the wholesale drug business is the finding of the Harvard Business School in its second annual survey of the cost of doing business. Reports were obtained for 1923 from 117 firms located in 38 different cities. Of the firms reporting, 85 also reported for 1922, so it was possible for the Business School to make a direct comparison. Their aggregate volume of sales was 9.3 per cent higher in 1923 than in 1922; their average gross margin was practically the same in 1923 as in 1922, namely, 17.2 per cent in 1922 and 17.1 per cent in 1923. There was a decrease in the common figure of total expense on the part of these 85 firms from 16.4 per cent in 1922 to 15.7 per cent in 1923. This caused a net profit of 1.4 per cent of net sales for these firms in 1923, compared with .8 per cent in 1922. The average rate of stock-turn was four times a year in 1923, which compares with the average rate of 3.8 times in 1922.

Of the 117 firms reporting for 1923, the aggregate net sales volume was \$194,650,000, with the individual sales running from \$200,000 to \$8,000,000.

The common figure of expense of 15.6 per cent of net sales means that a representative firm having net sales of \$1,100,000 had a total expense in 1923 of \$171,600. There were nine firms reporting who had total expense of more than 20 per cent of net sales, although on the other hand ten firms reported total expense of less than 13 per cent of net sales.

From the figures gathered it is shown that on net sales of \$194,650,000 cost of sales amounted to \$161,559,500 or 83 per cent, while the cost of merchandising and distribution, taxes, rent, amounted to 15.6 per cent of sales which left a balance of 1.4 per cent, or \$2,725,100 for net profit. From these figures the Business School concludes that final divisible profits amounted to less than one and a half cents of every dollar of sales.

Out of the 117 firms reporting for 1923, 35 had sales less than \$750,000, 37 had sales between \$750,000 and \$1,500,000, and 45 had sales amounting to over \$1,500,000. Sales force expense of all amounted to 3.6 per cent; of the \$750,000 sales class it was 3.8 per cent; of the class between \$750,000 and \$1,500,000 it was 3.7 per cent; and of the class with sales of more than \$1,500,000 it was 3.5 per cent.

The average cost of advertising was .15 per cent, .06 per cent for the \$750,000 class, .15 per cent for the next class and .18 per cent for the higher class.

Wages of warehouse labor amounted to 2.7 per cent of the average of all firms reporting, 2.4 per cent for the \$750,000 class, 2.8 per cent for the next class, and the same for the higher class.

Executive salaries, office salaries and wages constituted 3.4 per cent of the average of all; 3.6 per cent of the \$750,000 class; 3.3 of the \$750,000 to \$1,500,000 class; and 3.4 of the higher class. Loss from bad debts for the average of all reported was .3 per cent. Gross margin for the average of all was 17 per cent; for the \$750,000 class it was 16.9 per cent; for the \$750,000 to

\$1,500,000 class it was 16.8 per cent; and for the over \$1,500,000 class it was 17.2.

Net profit ranged from 1.4 per cent for the average of all, .9 per cent for the \$750,000 class, 1.4 per cent for the next class and 1.7 per cent for the over \$1,500,000 class.

### EXPORT MEDICINAL WHISKEY HELD UP

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 8.—Representatives of the distillers waited upon Commissioner of Internal Revenue Blair last Thursday to protest to him against the treatment accorded them by Prohibition Commissioner Haynes in the matter of the export of medicinal whiskey. The law provides that whiskey may be exported for medicinal purposes. Millions of dollars of pre-war rye and bourbon are still held in this country and the owners are eager to dispose of it. Europe makes practically nothing but Scotch and cognac. European physicians have for many years prescribed American rye and bourbon whiskey. Before prohibition American distillers had a large export trade.

Prohibition Commissioner Haynes has been very reluctant about granting permits for exports to continue this trade. He fears leakage into beverage markets. The distillers' representatives say it is too expensive to export liquor to Europe and ship it back here for illicit beverage purposes.

Commissioner Haynes told the distillers to furnish him with a certified list of the foreign dealers to whom they sell and also have the foreign dealers furnish certified lists of their customers, together with physicians' prescriptions. The distillers maintain that this is an unreasonable and burdensome requirement.

First hand stocks of spices on spot are heavily depleted in almost every group of the list and grinders are by no means adequately supplied for needs of the next 60 days, according to John Clarke & Co., New York, spice brokers, who say: "Such a situation makes for radical unsettlement; there has been no such general scarcity nor such confusion and differentiation in prices for future arrival in very many years; in fact, for difficulty of analysis and for generally unpleasant conditions of supply, this present market compares with many of the war markets of 1917-18."

Dr. William Jay Schieffelin, of Schieffelin & Co., New York, who recently returned from a three months' trip to Europe, attended several meetings of the League of Nations and was permitted to make an examination of the International Labor Office. Dr. Schieffelin says that a full realization of the value of the league will eventually bring this country into it.

Gum sandarac imports over the past five months have amounted to only 21 packages, according to George H. Lincks, New York, who says: "New importations are being held abroad in line at 28c to 31c pound. Sandarac is in limited supply, and the price is firmly held at 30c pound. Gum mastic is also firm with limited supplies available at 55c pound."

Merck's price-list for October gives advances in albumin egg, glycerin, mercurial ointment, silver nitrate, strychnine, thymol, thymol iodide, and tin metal; declines were in benzo-naphthol, cincophen, glycerophosphates, lanum, and sodium cacodylate.



## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1102

### CODLIVER OIL HIGHER IN ACTIVE MARKET

Shipment Named at \$26.50 bbl. c.i.f. New York—Large Buyers Still Uncovered—Imported Bromides Scarce for Shipment—Japanese Camphor Higher—Fusel Oil Active—Alcohol Firm—Mercury Dull—Menthol Firm Though Nominal

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

|                           |                         |
|---------------------------|-------------------------|
| Advanced                  |                         |
| Camphor, Japanese, 1c lb. | Cod Liver Oil, 50c bbl. |
| Declined                  |                         |
| No Declines               |                         |

#### Trend of the Market

|                                | Today | Last Week | Last Month | Last Year | War Peak | Pre-War |
|--------------------------------|-------|-----------|------------|-----------|----------|---------|
| Acetanilid .....               | \$35  | \$35      | \$35       | \$32      | \$2.00   | \$2.20  |
| Acid Citric, Import .....      | .45½  | .45½      | .46        | .48       | 1.25     | .45     |
| Caffeine Alkaloid .....        | 3.50  | 3.50      | 3.50       | 4.00      | 18.00    | 3.65    |
| Calomel, American .....        | 1.22  | 1.22      | 1.22       | 1.25      | 3.43     | .90     |
| Camphor, Jap., ref. ....       | .68   | .67       | .67        | .87       | 3.55     | .41     |
| Iodine, Resublimed .....       | 4.65  | 4.65      | 4.65       | 4.55      | 5.00     | 3.75    |
| Menthol .....                  | 13.25 | 13.25     | 13.50      | 16.50     | 13.50    | 3.00    |
| Potassium Bromide, Cryst. .... | .38   | .38       | .38        | .26       | 4.30     | .80     |
| Quinine Sulfate, Imp. ....     | .50   | .50       | .50        | .50       | .90      | .25     |
| Sodium Salicylate .....        | .40   | .40       | .40        | .40       | 4.25     | .27     |
| Strychnine Sulfate .....       | .40½  | .40½      | .41½       | .84       | 2.05     | .50     |
| Average .....                  | 2.36  | 2.36      | 2.37       | 2.72      | 5.92     | 1.56    |

Although changes in the fine and medicinal chemical market have been few during the week, the undertone is gaining strength as consumers are inquiring for larger quantities. No upheaval in prices is expected, but a gradual trend upward is looked for by dealers. The hoped for "boom" in Europe has not materialized. Last Spring European buyers bought all the menthol they could lay their hands on, but just before the demand set in, they were obliged to unload at a great sacrifice. Importers on spot bought back some menthol around 40c per pound, which they had previously sold for 60c per pound. While prices have been advancing abroad, sufficient declines have also taken place to offset the advances. The lower prices, however, are for products on which Europe has strong competition in this market.

**Acetanilid**—Makers of U.S.P. still quote the range from 32c to 36c lb. spot, and resellers name 34c@35c lb. Demand has been fair, although in small way only.

**Acid, Acetylsalicylic**—Steady at 75c@85c lb. spot from first hands, and 72½c@75c lb. from resellers. On a large inquiry the lower figure might be shaded materially.

**Acid, Benzoic**—U.S.P. material named at 75c@85c lb. spot, and second hands 70c@74c lb.

**Acid, Citric**—Demand ordinary with imported quoted at 45½c@46c lb. spot, and replacements are quoted slightly above these figures. Prices have not been changed for some time now, and several factors think that the acid will go lower before advancing. Others think, however, that with practically no importations for the past three months, supplies on spot are becoming reduced rapidly.

**Acid, Diethylbarbituric**—Domestic still quote \$10.00@ \$12.00 lb. spot, and imported \$3.50@ \$3.75 lb.

**Acid, Salicylic**—Makers name 35c lb. spot, and second hands are offering freely at 32c@33c lb.

**Acid, Tartaric**—Dull on spot at 26½c@27c lb. for im-

ported, although one house is getting 27c@27½c lb. in a small way. Last week saw 50 kegs imported at New York. Domestic, 29c lb.

**Alcohol**—One maker is turning down orders from other than the usual customers, stating that supplies are tending scarce and that consumption is far ahead of production. Several car lots were disposed of last week as soon as purchased. No. 1 specially denatured quoted at 52½c@54½c gal. spot in drums, and No. 5 completely denatured at 51½c@53½c gal. in drums.

**Alcin**—Market firm and ranges from 85c up to 87c lb. spot as to quantity.

**Amidopyrine**—Little activity reported at \$4.35@\$4.50 lb. spot for imported, and \$4.60 lb. for domestic material.

**Antipyrine**—Dull with holders naming \$2.00@\$2.05 lb. spot.

**Bay Rum**—Market steady and price of \$1.10 gal. is named for either St. Thomas or Porto Rican material. Some outside lots are available, however, at \$1.05 gal.

**Bismuth Subnitrate**—First hands name \$2.70 lb. spot, while resellers are quoting \$2.60 lb.

**Bromides**—Imported scarce and firm at 34c@36c lb. spot for sodium, and 28c@30c lb. for potassium. One house reported that he could have sold 100 tons last week, if he had the goods. No offerings are being received from abroad. Domestic named at 44c@45c lb. for ammonium, and 38c lb. for either potassium or sodium material.

**Caffeine Alkaloid**—Firm at \$3.50@\$3.75 lb. spot for first hands, and \$3.40@\$3.45 lb. from resale quarters.

**Camphor**—Japanese has advanced and now quoted at 68c@69c lb. spot for slabs, and 83c@84c lb. for 1 and ½ oz., respectively. Domestic goods held at 83c lb. in bulk.

**Castor Oil**—Firm and active at 17c@18c lb. spot.

**Cod Liver Oil**—Norwegian has advanced and now quoted at \$25.00@\$26.50 bbl. spot as to brand and seller with shipment generally named at \$26.50 bbl. c.i.f. New York. A 500-barrel buyer refused to take on supplies around \$18 bbl., and up to the present time it is reported that he is still looking for cheap oil. Reports state that prospects of going into the next catching season on a bare market, are quite promising.

**Cream Tartar**—Improved steady at 20½c@21c lb. spot, and domestic 21¼c@21½c lb.

**Cresol**—U.S.P. in fair demand at 22c@23c lb. spot.

**Formaldehyde**—Firm and active at 9¼c@9¾c lb. works in c/l, and 10½c lb. in carboys. Resales named at 9c@9¼c lb. spot in barrels.

**Fusel Oil**—Refined and crude are in active demand at \$3.50@\$3.75 gal. and \$3.15@\$3.25 gal., respectively.

**Glycerin**—C.P. generally quoted at 19c@19½c lb. spot in drums, although one outside holder is naming 18½c@19c lb. Dynamite is quiet at 18¼c@18½c lb.

**Hexamethylene**—Imported easy at 65c@67c lb. spot, and domestic 75c@77½c lb.

**Iron and Ammonium Citrate**—U.S.P. is in active demand at 79c lb. spot. In a large way 74c lb. is possible.

**Menthol**—Spot quoted nominally at \$13.25@\$13.50 lb. spot as to quantity. Sales last week were heavier than the month previous. Prompt shipment is named at

\$10.50 lb. c.i.f. with the possibility of the Japanese taking \$10.00 lb. The trade thinks that the present apparent weakness is only temporary, and that as soon as the new crop comes in, the market will advance. Synthetic quoted at \$8.50@9.50 lb. spot as to quantity.

**Mercury**—Spot quoted steady at \$71.50@72.00 flask as to quantity with the possibility of doing \$71.00 flask on firm business. Sales have been restricted to small lots. London is still reporting demand small, although India is asking for prices, but is not willing to come up to market values.

**Methanol**—Rumors have been heard that an advance will take place in the near future. Quoted at present at 67c gal. for 95 per cent material in tanks, and pure at 75c gal. in tanks.

**Papain**—In steady demand at \$2.15@2.25 lb. spot for refined goods.

**Podophyllin**—In small demand at \$5.00@5.25 lb. spot from resale quarters, while makers still hold to \$5.25@5.50 lb.

**Potassium Permanganate**—Imported quoted steady at 13c@13½c lb. spot with shipment laid down in New York at 12½c lb. up to 13c lb. as to seller. Domestic is meeting imported price at 13c@13½c lb. works, freight equalized.

**Saccharin**—In active demand at \$1.90@2.10 lb. spot as to quantity.

**Santonin**—First hands report an active business going on at \$145@150 lb. spot as to quantity and whether crystals or powdered material.

Dynamite glycerin was in small demand during the week, according to Parsons & Petit, New York, who say: "Rumors of transactions in the West have been heard at 18½c pound, but no Eastern buyers have bought at this price, hence any trading that has been done must have occurred in the West. There is an absolute lack of necessity on the part of the consumers or they are adroitly deceiving the trade by their apparent indifference. Chemically pure is maintained at 19c pound in bulk."

The new Goessmann Chemistry Laboratory at the Massachusetts Agricultural College, Amherst, Mass., erected at a cost of \$300,000 and now almost completed, was dedicated on Oct. 3. The laboratory is named for the first professor of chemistry at the college. Construction of the building, which will replace a former structure destroyed by fire, was begun in 1922. The laboratory will have accommodation for 340 students.

The Customs Service of the Treasury Department has announced that regulations which it promulgated in 1914 providing for the payment of drawback on medicinal preparations designated as corrosive sublimate and calomel manufactured by the Powers-Weightman-Rosengarten Co., Philadelphia, with the use of imported metallic mercury, have been extended to cover white precipitate, U.S.P.

Dr. Ellwood Hendrick began his duties as head of the Chandler Chemical Museum at Columbia University on Oct. 1. Dr. Hendrick succeeds Professor Charles F. Chandler, the founder of the museum, who resigned some time ago because of ill health.

A gift of \$475,000 for the Division of Chemistry of Harvard University is announced by the family of E. C. Converse, of New York, who was one of the founders of the United States Steel Corp., as a memorial to Mr. Converse.

# AMERICAN OIL PEPPERMINT LOWER

Prices Easier for Chloral Hydrate, and Cresylic and Tannic Acids—Barium Chloride Lower—Oil Lemon and Shellac Higher—Cascara Sagrada, Milk Sugar, Codliver Oil and Salicylic Acid Firmer

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Oct. 8.—Trading for the week has been in fair volume. Higher prices are asked for oil lemon and shellac. The market is firmer for cascara sagrada, milk sugar, honey, linseed oil, codliver oil, salicylic acid and creosote oil.

Prices are easier on chloral hydrate and cresylic and tannic acids.

American oil peppermint and barium chloride are lower.

London, Sept. 27 (By Mail)—Demand for fine chemicals and crude drugs is better and prices have a tendency to advance. This also applies to essential and other oils. On the other hand, heavy chemicals and some fine pharmaceutical preparations remain quiet and the trend of prices is in buyers' favor. Peppermint oil American is still advancing and stocks are dwindling. The latest cabled offers from New York up to 29s c.i.f. have met with full response, and this figure has to be paid for what is still available on spot. Mint oil Japan is dearer and 18s per lb. is now asked; present shipment 17s per lb. c.i.f.

China star aniseed oil is moving up and business has been done in the neighborhood of 2s 7d per lb., 2s 3d per lb. being the c.i.f. price to arrive.

Oil of lemon has further advanced and the primary market is strong at 2s 11d to 3s per lb.

Cascara sagrada of new crop continues to arrive freely, mostly in execution of forward orders. New bark available on spot is quoted 85s, two-year-old at 120s and well matured which is scarce costs 170s per cwt.

Belgian Roman chamomiles are in better supply and find ready buyers. Really good white flowers are extremely scarce. Ordinary to fine grades are fetching from 75s to 110s per cwt. Unfavorable weather conditions continue.

Ergot of rye, Spanish, is quoted 1s 1d per lb. c.i.f. at which price good quality Russian can be had.

Cardamoms are shorter in supply and dearer, 5s 6d per lb. is being paid for good green Aleppys.

Shellac is in a strong position and parcels afloat are unusually small. T. N. orange 315s to 320s per cwt. is asked on spot and October shipment 315s c.i.f.

Castor oil and camphor are firmer; so also are caustic potash and black pepper.

Strychnias—British makers on Sept. 15 reduced their prices as follows: Pure cryst., 2s 6d; powder, 2s 5d; hydrochlor, 2s 2d; sulfate, 2s 1d per oz net.

Carbolic acid crystals and acetone closed weaker.

Three participants in the National Research fellowships in chemistry, Drs. D. H. Andrews, R. L. Mashner and D. C. Smith, are doing research work at the University of California, Berkeley, under the direction of Dr. G. N. Lewis, head of the department of chemistry.

A provision that in the event of the death of all heirs the estate shall be used "for advancing the science of chemistry in the United States" is made in the will of Andrew W. Preston, president of the United Fruit Co., who died recently at his home in Swampscott, Mass. The estate is estimated to exceed \$6,000,000.

Powers-Weightman-Rosengarten Co., Philadelphia, have issued their October price-list to the trade.

## The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1121

### CASCARA SAGRADA FIRMLY HELD ON COAST

Quoted at 12c to 15c lb. f.a.s. as to Seller—Blueflag Root in Better Supply—Musk Root Cut Sharply—Spanish Saffron Easier—Cascara Amarga Scarce—Ipecac Root Easier—Rhubarb Root Firm

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

|                              |          |                                      |
|------------------------------|----------|--------------------------------------|
| Accroides Gum, 2c lb.        | Advanced | Gambier Gum, 2c lb.                  |
| Cloves, Zanzibar, 1/4c lb.   |          | Valerian Root, Belgian, 1/4c lb.     |
| Blueflag Root, 5c lb.        | Declined | Musk Root, 15c lb.                   |
| Celery Seed, 1/4c lb.        |          | Safiron Flowers, Spanish, \$1.00 lb. |
| Cumin Seed, Malta, 1/4c lb.  |          | Sarsaparilla Root, Honduras, 2c lb.  |
| Deer Tongue Leaves, 1/4c lb. |          |                                      |

#### Trend of the Market

|                            | Today   | Last Week | Last Month | Last Year | War Peak | Pre-War |
|----------------------------|---------|-----------|------------|-----------|----------|---------|
| Aconite Root, U.S.P. ....  | \$3.35  | \$3.39    | \$3.30     | \$5.50    | \$5.50   | \$1.12  |
| Buchu Leaves, Short .....  | .76     | .76       | .75        | .90       | 4.00     | .85     |
| Cantharides, Russian.....  | .40     | .40       | .30        | 1.75      | 9.00     | 2.10    |
| Cocculus Indicus .....     | .03     | .03       | .03        | .03 1/2   | .85      | .03     |
| Ergot, Spanish .....       | .31     | .31       | .31        | .40       | 4.50     | .54     |
| Insect Powder, pure .....  | .46     | .46       | .48        | .62       | 1.00     | .28     |
| Ipecac, Cartagena, Powd..  | 2.40    | 2.45      | 2.25       | 1.90      | 4.50     | 1.35    |
| Nux Vomica .....           | .05     | .05       | .05        | .06 1/2   | .14 1/2  | .07     |
| Opium gum .....            | 12.00   | 12.00     | 12.00      | 8.00      | 30.00    | 5.00    |
| Rhubarb Root, H. D. ....   | .35     | .35       | .30        | .38       | 1.75     | .15     |
| Tragacanth, No. 1, ribbon. | 1.15    | 1.15      | 1.20       | 1.45      | 6.00     | 1.50    |
| Wild Cherry Bk., thin nat. | .08 1/2 | .08 1/2   | .08 1/2    | .11       | .21      | .07     |
| Average .....              | 1.50    | 1.59      | 1.57       | 1.34      | 5.28     | 1.63    |

Movement of crude drugs into consuming channels during the week was along routine lines only, large orders being the exception. Buyers are still uncovered in a number of items, but sellers are having difficulty in tempting them at the present time. As long as replacement costs are well maintained, holders argue, spot prices are not inclined to drop much in spite of the restricted amount of buying. A weaker attitude has been reported along the Coast, especially in the balsams, but not in cascara sagrada. Holders of the bark state that they are in a good position to hold the present stocks until next year. Conservative estimates of the bark on the Coast are placed at 500 tons. The information coming out of the South states that most of the barks, herbs, and roots have been gathered, and are being held at high levels in spite of the large crops. Some cheaper dandelion root is afloat, but spot goods are firm at 40c pound and up.

**Accroides Gum**—Has advanced to 18c@20c lb. spot.

**Agar Agar**—Demand on spot has been routine, and little business has been transacted for shipment. Quoted at \$1.55@\$1.60 lb. for No. 1 and \$1.35 lb. for No. 3 material.

**Aloes**—Curacao firm at 10 1/2c@11c lb. spot in a jobbing way, and 10c in 100 case lots. Last week saw 140 cases imported at New York. Stocks have been accumulating on spot, but no weak holders have been reported as yet. Cape steady at 9c@9 1/2c lb.

**Anise Seed**—Spanish in small demand at the moment at 14 1/2c@15c lb. spot, and star 11c@11 1/2c lb.

**Arabic Gum**—Amber sorts quiet at 11 1/2c@12c lb. spot. Competition keen for available business.

**Asafoetida**—U.S.P. goods held at 20c@22c lb. spot as to quantity and seller. Powdered material scarce at 35c@36c lb.

**Balsams**—Canadian fir easy at \$10.25@\$11.25 gal. spot, and Oregon at 90c@\$1.09 gal. with replacements tend-

ing downward, owing to an increase in offerings. For other balsams see Essential Oil Market.

**Belladonna Leaves**—Sales were made the first of the week at 22c lb., but this holder is now offering at 25c@26c lb. as inside. One seller is naming as high as 27c lb. Root, 11c@12c lb.

**Blueflag Root**—Lower at 25c@27c lb. spot. Supplies on increase.

**Buchu Leaves**—While holders generally quote 76c@78c lb. spot, one seller is naming 72c lb. in a jobbing way only, however. Less than bales named at 81c@83c lb.

**Caraway Seed**—Dutch steady at 10c@10 1/2c lb. spot, and African 9 1/2c@10c lb. Far off positions have firmed up within the past two weeks.

**Cardamom Seed**—Decorticated firm and tending scarce at \$1.80@\$1.85 lb. spot, and bleached \$1.75@\$2.00 lb.

**Cascara Amarga**—Scarce at \$2.50 lb. spot for powdered material.

**Cascara Sagrada**—Spot sales have been made at 15c@16c lb. for 1924 bark, and 18c@20c lb. for 1923 peel. Coast ranges from 12c@15c lb. f.a.s. One seller thinks that if buyers have an opportunity to take on stocks around 12c lb., the possibilities are that it will be a "good buy," as the 1924 peel averaged not less than 12 1/2c lb. shipping point. Some spot business has been reported, but the remainder of the uncovered buyers appear to be waiting for lower prices.

**Celery Seed**—Has declined and now quoted at 31 1/2c@32c lb. spot. Shipment, however, remains firm.

**Cloves**—Zanzibar slightly higher at 26 1/2c@27c lb. spot.

**Condurango Bark**—In ample supply for present needs at 19c@22c lb. spot as to seller and quantity.

**Damiana Leaves**—Quoted steady at 13c@14c lb. spot as to quantity.

**Dandelion Root**—Spot supplies scarce at 40c@45c lb. with shipment named at 23c lb. c.i.f. New York. An odd lot was sold on spot last month at 23 1/2c lb. Offerings from abroad are diminishing.

**Deer Tongue Leaves**—Lower at 8 1/2c@9c lb. spot as to quantity.

**Elm Bark**—Select quoted at 26c@28c lb. spot with one-house inside at the maximum. Grinding, 16c@18c lb., and powdered at 23c@25c lb.

**Ergot**—Demand has been active, and market is firm at 31c@32c lb. spot. Supplies are none too plentiful at the moment. Shipment values have advanced.

**Foenugreek Seed**—No spot goods available. Spanish afloat is named at 5 1/2c@5 3/4c lb. c.i.f. New York.

**Gambier Gum**—Higher at 15 1/2c@16c lb. spot due to advancing import costs.

**Insect Powder**—Spot quoted at 46c@48c lb. with shipment named at 34c@35c lb. c.i.f. New York. Little interest is being shown in this item at the moment.

**Ipecac Root**—Cartagena lower at \$2.30@\$2.40 lb. spot for whole, and \$2.40@\$2.50 lb. for powdered material. Supplies have not been materially increased, but competition is becoming keener among holders of powdered goods. Rio, \$2.25@\$2.30 lb. spot for whole, and \$2.35@\$2.40 lb. for powdered goods.

**Lycopodium**—Market firm and active at 34c@35c lb.



spot with replacements fully equal to these figures. Stocks have been materially reduced during the past three weeks.

**Mandrake Root**—Spot quoted steady at 11c@13c lb. with tendency to firm up in the country.

**Mastic Gum**—Firm at 55c@57c lb. spot as to quantity.

**Musk Root**—Russian lower at \$2.10@2.35 lb. spot as to seller. Supplies are still hard to obtain in Russia, and little material is held in any secondary market.

**Rhubarb Root**—Firm and active at 35c@37c lb. spot for whole, and 40c@42c lb. for powdered root.

**Saffron Flowers**—Spanish quoted at \$38@39 lb. spot, although some houses name as high as \$40 lb.

**Sarsaparilla Root**—Honduras lower though steady at 58c@60c lb. spot.

**Senega Root**—In small demand at the moment at 57c@59c lb. spot.

**Senna**—Pods steady at 15c@17c lb. spot.

**Turpentine**—Venice, true, in active demand at 15c@16c lb. spot in cases. Sale of an odd lot took place last week at 14c lb., however.

**Valerian Root**—Belgian higher at 9½c@10c lb. spot.

Cloves delivered to the customs during the season beginning July 1, 1922, to June 30, 1923, were 981,915 frassas of 35 pounds each, according to the 1923 Colonial Report for Zanzibar, which states: "The past harvest has been the heaviest on record, the previous one was in 1918-19. The average quantity of cloves delivered at the Customs during the last nineteen years is 523,166 frassas. The maximum price for Zanzibar cloves during this period was 31.56 rupees per frassa, and the lowest was 13 rupees."

The Board of United States General Appraisers in a decision sustaining a protest of B. K. Ching, holds that certain ginseng root, prepared for medical purposes by being submitted to a slight treatment with honey and sugar, should have been admitted free of duty under Paragraph 1567 of the 1922 Tariff Act. This merchandise was assessed with duty at 10 per cent ad valorem under Paragraph 34 as a drug advanced in value or condition.

Preliminary reports from Philadelphia wholesale druggists indicate that sales are about the same as last month and on a par with September, 1923. The botanical drug market is more active than it was a month ago and prices have advanced. Contrary to preliminary reports wholesale drug sales during August were 5.3 per cent smaller than those of July, but nearly equal to those of August, 1923.

Dr. Alexander S. Horovitz, of Horovitz Biochemic Laboratories, New York, announces that he has developed a cure for drug addiction. He says the preparation is a liquid, the only known chemical, having a neutralizing power upon all alkaloids, including opium and all its derivatives, heroin, morphine and cocaine.

Fenugreek may be used as a substitute for cod liver oil in every case where the latter is indicated, according to "The Chemist and Druggist," London. Its chemical composition resembles that of cod liver oil and also it also contains iron in an organic form. It possesses the advantage of being cheaper than cod liver oil.

Philip Kachurin, of Kachurin Drug Co., New York, returned from abroad Oct. 3, on the Aquitania. Mr. Kachurin visited the company's connections in England, France, Belgium, Italy, Germany, Holland, Switzerland, and Russia.

S. B. Penick & Co. have filed judgment for \$211 in New York County against Octavio Arbelaez.

# N. W. D. A. COMMITTEES NAMED

Sewall D. Andrews has appointed the chairmen of the various committees of the National Wholesale Druggists Association, as follows:

Credits and Collections—W. W. Gibson, Gibson-Snow Company, Albany, N. Y.

Delivery and Traffic—Wm. Jay Schieffelin, Jr., Schieffelin & Co., New York.

Drug Markets—John F. Belsterling, Aschenbach & Miller, Philadelphia.

Education—A. Kiefer Mayer, Kiefer-Stewart Company, Indianapolis.

Insurance—Roy M. Johnston, Morris-Morton Drug Company, Fort Smith, Ark.

Legislation—C. Mahlon Kline, Smith, Kline & French Company, Philadelphia.

Memorials—Harry J. Schnell, Oil, Paint and Drug Reporter, New York.

Proprietary Goods—Henry D. Faxon, Faxon & Gallagher Drug Company, Kansas City.

Quality of Medicinal Products—P. E. Anderson, P. E. Anderson & Co., Inc., New York.

Rates and Routes—Romaine Pierson, The Practical Druggist, New York.

Special Lines—J. M. Penland, Waco Drug Company, Waco, Texas.

Trade-Marks—Frank A. Blair, Centaur Company, New York.

Uniform Accounting—Sewall Cutler, Eastern Drug Company, Boston.

Local Associations—W. E. Greiner, Greiner-Kelly Drug Company, Dallas.

Membership—C. J. DeWoody, J. W. Crowdus Drug Company, Dallas.

Prohibition Problems—Wm. Jay Schieffelin, Schieffelin & Co., New York.

Special committee to confer with Department of Commerce on simplification—H. H. Robinson, Henry B. Gilpin Company, Baltimore, chairman; Walter V. Smith, Valentine H. Smith & Co., Philadelphia; Harold D. Cowan, Plumpton-Cowan Company, Buffalo.

The chairman of the Committee on Arrangements and Entertainment will be elected by the members of the committee themselves. The chairman of the Committee on Salesmen and Selling Methods has not yet been appointed.

## ISSUE OBITUARY NOTICE OF STIPULATION

The National Wholesale Druggists Association received the following telegram, last week, from W. L. Crounse, Washington representative of the association, regarding the withdrawal of the prohibition stipulation:

"The Internal Revenue Bureau has forwarded instructions to all collectors of internal revenue directing them to disregard the stipulation requirement heretofore imposed on manufacturers of alcoholic preparations. This operates to withdraw the stipulation without further formality. The requirement was originally imposed in letters to collectors and has never been promulgated as a Treasury Decision or other formal order; hence, no formal order has been deemed necessary to rescind the requirement."

Exports of kauri gum from Auckland, N. Z., during July were 243 tons, valued at £17,850, of which the United States received 105 tons and United Kingdom 136 tons, according to George H. Lincks, New York, who says: "General trading conditions have been excellent during September, including a general revival of business, interest being manifested in almost the entire line of gums and supplies used by the paint, varnish, and lacquer manufacturers. Supplies are not large on spot, and values are held firm at the primary markets."

## The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1125, Aromatic Chemicals, page 1128

### CEYLON OIL CITRONELLA LOWER ON SPOT

Stocks Tending to Accumulate Owing to Small Inquiry  
—Oil Cassia, Redistilled, Higher—Oil Eucalyptus  
Firm—Oil Cedar Wood Firm and Active—Oil  
Limes, Expressed, Higher—Vanillin Active—Balsam  
Tolu Steady

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

| Advanced                         |                                   |
|----------------------------------|-----------------------------------|
| Oil Cassia, Redistilled, 10c lb. | Oil Limes, Expressed, 15c lb.     |
| Oil Eucalyptus, 3c lb.           | Oil Sassafras, U.S.P., 5c lb.     |
| Oil Lemon, Italian, 1c lb.       |                                   |
| Declined                         |                                   |
| Oil Citronella, Ceylon, 2c lb.   | Phenylethylalcohol, Imp., 50c lb. |
| Heliotropin, Imp., 25c lb.       |                                   |

#### Trend of the Market

|                            | Today  | Last Week | Last Month | Last Year | War Peak | Pre War |
|----------------------------|--------|-----------|------------|-----------|----------|---------|
| Oil Bergamot               | \$3.35 | \$3.35    | \$3.50     | \$2.75    | \$7.00   | \$5.00  |
| Oil Citronella, Ceylon     | .78    | .78       | .75        | .75       | .92      | .60     |
| Oil Cloves                 | 1.85   | 1.85      | 1.95       | 2.25      | 3.70     | 1.40    |
| Oil Lemon, Italian         | .88    | .82       | .80        | .70       | 1.70     | 2.00    |
| Oil Peppermint, Nat.       | 5.60   | 5.25      | 5.00       | 3.10      | 9.00     | 2.25    |
| Oil Sandalwood, E. I.      | 6.15   | 6.15      | 6.15       | 7.25      | 13.00    | 5.25    |
| Oil Sassafras, Artif.      | .35    | .35       | .35        | .40       | 1.00     | .26     |
| Benzaldehyde, U.S.P.       | 1.50   | 1.50      | 1.50       | 1.50      | 5.15     | 1.50    |
| Coumarin                   | 3.25   | 3.25      | 3.25       | 4.50      | 31.00    | 3.10    |
| Methyl Salicylate, Cana... | .47    | .47       | .47        | .47       | 1.00     | .96     |
| Vanillin                   | .40%   | .40%      | .40%       | .40       | .95      | .20     |
| Average                    | 2.23   | 2.20      | 2.19       | 2.21      | 6.83     | 2.05    |

The temporary shortage in redistilled oil cassia on spot has caused higher prices in this item, and although shipment is named as low as \$1.90 pound c.i.f. New York, no supplies are expected to come into this market for some time owing to practically nothing being unsold, which is now afloat. The disturbances in China have not hindered the production of the oil, but exporters are having difficulty in getting supplies. While advances have outnumbered the declines during the week, the trend at the moment appears to be downward. This condition is probably due to a let-down in consuming demand, making sellers cautious. If the market continues downward, buyers will refrain from purchasing, expecting still lower prices. Oils bergamot, orange, caraway, Ceylon citronella, and wormseed are easy.

**Oil Almond**—Bitter, U.S.P., in small demand at the moment at \$3.15@3.25 lb. spot, and fIPA at \$3.25@3.50 lb.

**Oil Anise**—While the market for this item is strong, the price remains unchanged at 52c@54c lb. spot for U. S. P. goods, and 50c@52c lb. for the technical material. Supplies are ample for present needs.

**Oil Bergamot**—Coppers easy at \$3.35@3.45 lb. spot, and artificial at \$2.20@2.35 lb. Little interest is being shown in either spot goods or supplies for shipment.

**Oil Bois de Rose**—Quoted unchanged at \$4.50@4.75 lb. spot.

**Oil Camphor**—Japanese steady at 13½c@14c lb. spot in drums, and 14c@14½c lb. in cases.

**Oil Caraway**—Market quoted easy at \$4.00@4.50 lb. spot as to seller and quantity. No shipment figures have been received lately, but last ones were considerably below present quotations.

**Oil Cassia**—Redistilled higher at \$2.80@2.90 lb. spot, while some houses are inside at the maximum figure. Last week saw 20 casks and 5 drums entered at New York. These goods probably went directly into con-

sumption. Shipment is named as low as \$1.90 lb. c.i.f. New York.

**Oil Cedar Wood**—Market firm at 62c@64c lb. spot as to quantity and seller, with possibilities of much higher prices owing to active demand and the growing tendency to scarcity. Some fair sized quantities have been exported to Germany during the past three weeks.

**Oil Cinnamon Leaf**—Quoted at \$1.40@1.50 lb. spot with the possibility of doing better on a large order.

**Oil Citronella**—Ceylon has declined and now quoted at 73c@80c lb. spot as to seller for drums, and 76c@83c lb. in tins. Demand has been quiet for the past three weeks. Imports last week at New York were 12 drums. Java remains scarce. A ton and a half were offered at \$1.40 lb. spot, but not firm.

**Oil Cloves**—Quiet at \$1.85@1.90 lb. for cans, and \$1.95@2.00 lb. for cases.

**Oil Eucalyptus**—Market has advanced and now quoted at 58c@60c lb. spot for drums, and 60c@62c lb. for cases. Shipment price is advancing steadily. Quotation last heard was 45c lb. c.i.f. New York, for prompt shipment.

**Oil Geranium**—Although spot prices of \$7.75@8.50 lb. for Algerian and \$7.25@8.50 lb. for Bourbon are unchanged, shipment is reported to be slightly easier.

**Oil Lemon**—Italian has advanced slightly and now quoted at 83c@90c lb. spot with shipment named above these figures. One house is quoting 87c lb. as inside. American, 70c@75c lb.

**Oil Limes**—Expressed quoted higher at \$2.40@2.50 lb. spot, and redistilled named at \$1.10@1.15 lb.

**Oil Mustard**—Little interest shown with holders naming \$3.00@3.15 lb. spot for artificial material.

**Oil Orange**—Italian easy at \$2.70@2.90 lb. spot as to seller and quantity. Sweet West Indian quoted at \$2.35@2.45 lb. spot with the possibility of shading these figures on firm business. Bitter, \$2.60@2.75 lb.

**Oil Pennyroyal**—Imported firm and active at \$1.65@1.70 lb. spot, and domestic \$2.00@2.25 lb.

**Oil Peppermint**—Natural quoted on spot at \$5.60@5.75 lb., and redistilled \$6.00@6.25 lb. Little business transacted last week. London cables state that the market there has declined over the past week.

**Oil Sassafras**—U.S.P. goods quoted higher at \$1.30@1.35 lb. spot, and artificial 34c@36c lb.

**Oil Spearmint**—Market firm at \$3.25@3.50 lb. spot. Business in a large way would probably be put through at lower figures, however.

**Oil Wormseed**—Market is easy at \$4.50@5.00 lb. spot as to seller and quantity. Country news seems scarce. Dealers here are not inclined to take on any more supplies than they really are required to.

**Oil Wormwood**—Steady at \$3.40@3.50 lb. spot.

#### Balsams

**Peru**—Quiet at \$1.75@1.80 lb. spot.

**Tolu**—Fair interest noted at the moment at \$1.90@2.00 lb.

#### Vanilla Beans

Demand has been steady, although consumers are not taking on their future requirements owing to the uncertainty of the new crop situation. With dealers afraid to enter the market, buyers are following suit closely. Mexican whole quoted at \$11.50@12.00 lb. spot, and:

cuts at \$10.00@\$11.00 lb. Bourbon named at \$10.00@\$11.00 lb.

#### Aromatic Chemicals

**Amyl Salicylate**—In a steady demand at \$1.45@\$1.50 lb. spot for domestic, and \$2.25@\$2.50 lb. for imported goods.

**Coumarin**—In active demand from consuming channels at \$3.25 lb. spot from makers, and \$3.25@\$3.30 lb. from resale quarters.

**Heliotropin**—Imported has declined slightly owing to the reduction in the tariff, and now quoted at \$2.25@\$2.50 lb. spot. Domestic, \$1.85@\$2.00 lb.

**Methyl Salicylate**—Makers report an active demand at 45c@47c lb. spot as to quality, and resellers 44c@45c lb.

**Phenylethylalcohol**—Imported lower at \$7.00@\$7.75 lb. spot, and domestic \$8.00@\$10.00 lb.

**Vanillin**—Makers report an active demand at 49½c@51c oz. spot as to quantity. Resale quarters name 45c@50c oz., and tending scarce thereat.

#### MANY ESSENTIAL OILS ADVANCING

The price of orange oil will be high this year because of the high price of the orange flower, according to the "American Perfumer and Essential Oil Review." The scarcity of orange flower products obtained by volatile solvent extraction makes it appear dubious whether or not the stocks will last until the next harvest.

In regard to oil rose the report gives the market as very active, and says that the sale of all Grasse rose products is greatly facilitated by the high market prices of Bulgarian otto.

The jasmin crop will be smaller than was expected at the beginning of August owing to a northwest wind which blew for a fortnight, making August very cool. This caused the blossoming of the jasmin, which needs a great amount of warmth, to be unimportant.

Lavender oil is in great demand in all the countries that consume it and the production in 1924 is certain not to be sufficient to supply the demand.

Orange oil production in Jamaica increased £18,000 during 1923, against that of 1922, according to the report of the Jamaica Department of Agriculture, which says: "Producers of citrus fruits are eagerly awaiting some security of market and of transport which would justify them in cultivating and extending their orchards. So far, it must be confessed that the citrus trade of Jamaica, since it lost its free entry into the United States market, has been far from satisfactory. Many planters have lost money and most growers have been greatly disappointed at the financial outcome."

As a market for toilet preparations, Egypt bears the careful investigation of the American manufacturer and exporter, according to a report by Trade Commissioner Richard S. May, Alexandria. Although but a small percentage of its total population of fourteen millions has developed pronounced Western tastes and demands for toilet preparations, the present market is of such importance that pioneer work today on the part of American exporters and manufacturers should reap tremendous results in the near future.

The Southern Classification Committee, meeting at Atlanta, Ga., Aug. 29, adopted the recommendation to the General Committee that the present provisions of the Southern Classification in regard to the rates on transporting essential oils should be continued without change. E. H. Dulaney is chairman of the committee.

C. Blair Leighton, of W. J. Bush & Co., New York, is in Europe on a business trip. He will be gone about a month.

#### T. J. McHUGH SUCCEEDS VIVAUDOU

Victor Vivaudou has resigned as head of V. Vivaudou, Inc., and has been succeeded by Thomas J. McHugh. Mr. Vivaudou's stock holdings in the company have been taken over by the Schulte interests at a price understood to be \$7 a share, immediately after which the price jumped to \$12 a share, and is now selling at \$8.25. In addition to the election of Mr. McHugh, it was announced that D. A. Schulte had been elected a director and member of the executive committee of the organization. J. R. Harbeck was also elected a director, succeeding J. W. Kerbin, who resigned.

Mr. Vivaudou said he resigned to help the stockholders of the corporation. He asserted "the utterly groundless attack" made upon him by one individual had injured the morale of the business and cheapened the stock. "For the purpose of eliminating this condition," he added, "it was necessary for me to either buy full control or to sell. I made a proposition to sell or buy and it was accepted as a sale. I will do my best to help the stockholders of the company at any time and help the company if I am needed."

#### PROGRESS MADE IN AROMATIC CHEMICALS

According to the Tariff Commission's report on synthetic aromatic chemicals the year 1923 was a very successful one for manufacturers. Considerable progress was made in the production of many products, as well as reductions in the selling prices. The report says:

"Progress has been made in overcoming the former prejudice against synthetic aromatic chemicals, and the most important factor in this result has been the successful and systematic development of quality products. American manufacturers of these products have not neglected that essential unit of their business, namely, the research laboratory, and the industry has consequently been placed upon a stable and scientific basis. Workers in the field of perfumes and flavors know it to be one of the most extensive and difficult branches of organic chemistry and, although much important work has been accomplished, further developments may be expected."

The essential oil business has been fair, according to "The Chemist and Druggist," London, which says: "Cochin lemongrass has advanced and American spearmint is dearer. Spanish spike continues to firm up, and star is dearer to arrive. Java citronella is dearer c.i.f. to arrive, but Ceylon has declined sharply. A sudden fall in the value of the Japanese mint is noted. Spanish pennyroyal is selling well at easier prices. Cassia oil is a shade cheaper."

The total amount of flavors produced in this country in 1923 showed a decided increase over 1922, according to figures given in the Tariff Commission report. Total production for 1923 was 1,458,024 pounds; for 1922, 1,215,668 pounds; sales for 1923 amounted to 1,442,387 pounds, valued at \$1,780,313. Saccharin, used as a sugar substitute, and methyl salicylate, used as an artificial wintergreen, showed the largest increase in production. 967,505 pounds of methyl salicylate was manufactured in 1923.

Exports of sandalwood from India during 1923 were 149,464 pounds, valued at Rs. 26,59,954, compared with 121,602 pounds, valued at Rs. 23,43,181 for the year previous.

Exports of oil eucalyptus from Australia during fiscal year 1922-23 were 53,129 gallons, valued at £34,602, compared with 35,039 gallons, valued at £24,470 in 1921-22.



## Drug Consuming Industries

### LONDON DRUG AUCTIONS DULL

Supplies offered at the London crude drug auction, which was held in Mincing Lane on Sept. 25, were moderate in quantity. The demand was disappointing on the whole, with the exception of a few items like honey, sarsaparilla, dragon's blood, and rhubarb. The following table shows a few offers and sales:

|                            | Cases offered | Cases sold |
|----------------------------|---------------|------------|
| Benzoin, Sumatra .....     | 200           | 19         |
| Buchu .....                | 56            | 2          |
| Cardamoms .....            | 139           | 6          |
| Cinchona .....             | 87            | 6          |
| Coriander .....            | 39            | 39         |
| Cubebs .....               | 62            | 5          |
| Dragon's blood .....       | 82            | 6          |
| Eucalyptus oil .....       | 75            | 20         |
| Gum acacia .....           | 14            | 2          |
| Honey, Jamaica .....       | 683           | 292        |
| Ipecac, Matto Grosso ..... | 63            | 20         |
| Kola .....                 | 7             | 7          |
| Wax, Jamaica .....         | 21            | 12         |
| Senna, T. V. (bales) ..... | 290           | 24         |

Three varieties of cardamoms—the Malabar, Mysore and wild—are found in Travancore, according to "The Chemist and Druggist," London. The first two are cultivated while the "wild" grows at high elevations. The oil from the wild cardamoms has an abnormally high ester value, but the Malabar and Mysore fall within the limits of known oils. The Malabar has a more penetrating odor than the Mysore.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42647) from Adolpho & Companhia, Rua 13 de Junho N. 22, Sao Luiz de Caceres, Brazil, desiring to get in touch with companies in position to furnish pharmaceutical chemicals. Also an inquiry (42644) from George Cassis & Companhia, Tela, Honduras, desiring to get in contact with companies in position to supply pharmaceutical specialties.

Mallinckrodt Chemical Works, St. Louis, announces price changes for October as follows: Advances, acetanilid, acid stearic, menthol, mercuric ointment, salicin, silver nitrate, strychnine alkaloid, strychnine sulfate, and thymol; declines, barbitol, glycerophosphates, and theobromine salts.

Eastman Kodak Co., Rochester, N. Y., has issued List No. 12 which contains over 1,800 synthetic organic chemicals. The latest list contains many new products.

Exports of oil orange from Jamaica during 1923 were 154,930 pounds, compared with 86,718 pounds in 1922.


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**CASCARA IN STRONG HANDS ON COAST**

Holders of cascara sagrada are exerting little pressure to dispose of their stocks on the Coast. They are asking as high as 15c per pound, but undoubtedly some of the smaller sellers would take 12c per pound in order to turn over their stocks. The potential market is still strong, however, as several of the large buyers are still in the market, providing the price is named to suit them. Gatherers on the Coast seem to think that next year will bring much higher prices than prevailed this year, and are, therefore, holding their prices up in anticipation of much firmer values. As soon as the bark has passed into consuming channels, they think that dealers will be willing to take on supplies at prices far above current levels.

"The Technology of Water," by Alan A. Pollitt, "Distillation Principles," by C. Elliott, "Grading and Screening of Materials," by J. E. Lister, "Grinding and Crushing Machinery," by Hartland Seymour, and "Acid Concentration Plant," in two volumes, by P. Parrish and F. C. Snelling, are a series of concise monographs to serve as up-to-date and systematic reference books to the chemical engineer. Ernest Benn, Ltd., London, is the publisher.

Imports of flavoring extracts into Hongkong during 1923 show an increase of 12 per cent over the year previous. All of the extracts are sent in small bottles. Prices are quoted c.i.f. Hongkong, and payments are made by draft of 30, 60, or 90 days. The flavors in demand are those of fruit, sarsaparilla, vanilla, and rose.

**Books of Trade Interest**

**THE PLANT ALKALOIDS.** By Thomas Anderson Henry, D.Sc., London. Second Edition. With Illustrations. P. Blakiston's Son & Co., Philadelphia. 1924.

New material has been incorporated into the second edition concerning the determination of the constitution of many alkaloids. More attention has been given to the correlation of chemical constitution and pharmacological action among alkaloids. A few illustrations have been added to stress the fact that alkaloids have a natural origin, and that the problems of their origin in plants and their function there are still largely unsolved.

**ALLEN'S COMMERCIAL ORGANIC ANALYSIS, Volume II.** Fixed oils, fats and waxes, butter, lard, soap, glycerin, wool-fat, sterol-alcohol. Editors, Samuel S. Sadtler, S.B., Elbert C. Lathrop, A.B., Ph.D., C. Ainsworth Mitchell, M.A., F.I.C. Publishers, P. Blakiston's Sons & Co. 307 pages.

The fifth edition of this valuable treatise on the properties, modes and analysis, and proximate analytical examination of fatty oils, fats and waxes, has been rewritten and enlarged owing to new and important methods that have been introduced. The tendency of the authors in the latest edition is to be more explicit in writing of analytical methods, thus promoting uniformity in results arrived at by analysts who might otherwise be in serious conflict.

**DICTIONARY OF CHEMICAL TERMS.** By "The Chemical Age." Published by Ernest Benn, Ltd., London. 1924.

This volume is intended to be the forerunner of successive volumes covering other phases of the subject. This one, however, deals with chemical terms in organic, inorganic, physical, analytical, and biochemistry.

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# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

|                             |        |                  |
|-----------------------------|--------|------------------|
| 1 Imperial Gallon (British) | —1.20  | American Gallons |
| 1 American Gallon           | — .833 | Imperial Gallon  |
| 1 American Gallon           | —3.79  | Liters           |
| 1 Liter                     | — .264 | American Gallon  |
| 1 American Gallon (Water)   | —8.35  | Pounds           |
| 1 Pound (Avoirdupois)       | — .454 | Kilogram         |
| 1 Kilogram                  | —2.20  | Pounds           |

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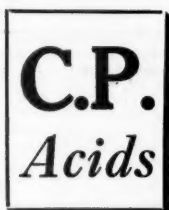
## Chemicals

|                                      |      |       |
|--------------------------------------|------|-------|
| ACETANILID, tech. 150 lb bbls...     | .26  | .23   |
| 100 lb kgs.                          | .27  | .20   |
| USP 200 lb bbls.                     | .32  | .36   |
| Second Hands                         | .34  | .35   |
| Acetic Anhydride                     | ...  | ...   |
| 85-89%, 107 lb chgs.                 | ...  | .40   |
| 90-95%, 100 lb chgs.                 | ...  | .42   |
| C.P. 100 lb chgs.                    | ...  | .40   |
| Acetone, CP 700 lb dra. c/l wks.     | .18  | .17   |
| 700 lb dra. 1c/l wks.                | .18% | .18   |
| 350 lb dra. 1c/l wks.                | .18% | .18   |
| Second Hands, spot                   | .18% | .17%  |
| Acetone, 100 gal. drums.             | ...  | .35   |
| Acetone Oils, light, dra. wks.       | 1.40 | 1.45  |
| Heavy, dra. wks.                     | 1.40 | 1.45  |
| Acetophenetidin, 150 lb bbls.        | 1.85 | 1.90  |
| Acetyl Chloride, 100 lb chgs.        | .40  | .41   |
| ACID, 1, 2, 4, 250 lb bbls.          | ...  | 1.30  |
| Acetic, 28%, 400 lb bbls., c/l       | ...  | ...   |
| wks.                                 | ...  | 1.10  |
| 28%, 1c/l wks.                       | ...  | 3.12  |
| 56%, c/l wks.                        | ...  | 3.37  |
| 56%, 1c/l wks.                       | ...  | 5.85  |
| 70%, bbls., c/l wks.                 | ...  | 8.10  |
| 70% 1c/l wks.                        | ...  | 7.20  |
| 80% cuml. bbls., c/l wks.            | ...  | 7.45  |
| 80% cuml. 1c/l wks.                  | ...  | 8.19  |
| 80% pure bbls., c/l wks.             | ...  | 8.44  |
| 80% pure 1c/l wks.                   | ...  | 9.98  |
| Glacial, bbls., c/l wks.             | ...  | 10.23 |
| Glacial, 1c/l wks.                   | ...  | 11.01 |
| Glacial USP chg. wks.                | ...  | 11.38 |
| Glacial USP chg. wks.                | ...  | 11.76 |
| Acetylacetic, 220 lb bbls.           | .75  | .85   |
| Second Hands                         | .72% | .76   |
| Antisulfuric, tech. dra.             | ...  | .94   |
| 90-100%, 100 lb dra.                 | ...  | 1.90  |
| Benzoic, tech. 100 lb bbls.          | ...  | .75   |
| Tech. ton lots bbls.                 | ...  | .70   |
| USP, 100 lb bbls.                    | .75  | .85   |
| Second Hands                         | .70  | .74   |
| Boric, crys. powd. 250 lb bbls.      | ...  | .09%  |
| Kegs, 100 lb                         | .10  | .10%  |
| Bromine's 250 lb bbls.               | ...  | 1.25  |
| Butyric, 60% pure 5 lb bot.          | .40  | .50   |
| C.P. 10 lb bot.                      | 1.25 | 1.50  |
| Camphoric, USP, VIII 1 lb bot.       | 5.90 | 6.00  |
| Carbolic, USP crys., see also Phenol | ...  | ...   |
| 112 lb tins                          | .26  | .27   |
| 25 lb tins                           | .28  | .29   |
| 5 lb tins or bot.                    | .30  | .32   |
| 1 lb bot.                            | .35  | .36   |

|                                      |       |       |
|--------------------------------------|-------|-------|
| Acid Carbolle—(continued)            | ...   | ...   |
| Liquid USP, 1 lb bot.                | .34   | .35   |
| Crude, 25% 50 gal. bbls.             | .33   | .35   |
| 10%, 50 gal. bbls.                   | .27   | .30   |
| Carbonic, see Carbon Dioxide         | ...   | ...   |
| Chloracetic                          | ...   | ...   |
| mono 100 lb bbls. wks.               | ...   | .25   |
| DI, 150 lb chgs wks.                 | ...   | 1.00  |
| Tri, 425 lb bbls. wks.               | ...   | 2.50  |
| Chlorosulfonic, 1500 lb dra.         | ...   | ...   |
| wks.                                 | .15   | .16   |
| Chromic, USP 200 lb drums.           | ...   | .40   |
| 85% Pure, 200 lb drums.              | ...   | .55   |
| Chromotropic, 300 lb bbls.           | ...   | 1.35  |
| Chrysanthemic, see Chrysanthemum     | ...   | ...   |
| Cinnamic, 5 lb cans                  | ...   | 3.93  |
| CITRIC, USP crys. 230 lb bbls.       | ...   | .46   |
| Fowd., USP, 200 lb bbls.             | ...   | .47   |
| Imported, crys. 112 lb kegs.         | .46%  | .46   |
| Single kegs                          | ...   | .47   |
| Cleves, 250 lb bbls.                 | 1.60  | 1.10  |
| Cresylic, 95% dark dr. NY.           | .63   | .65   |
| 97-99% pale, dra. NY.                | .65   | .75   |
| Crude, spot, drums                   | .55   | .60   |
| Diethylbarbituric, Dom. 25 lb lots   | ...   | ...   |
| 1 lb bot.                            | 10.00 | 12.00 |
| Imp. 10 lb lots                      | 3.50  | 3.75  |
| Formic 85% tech. 140 lb chgs.        | .11%  | .12   |
| 90%, 80 lb chgs. incl.               | .12   | .12%  |
| Gallie, USP, 150 lb bbls.            | ...   | .70   |
| Gamma, 225 lb bbls. wks.             | ...   | 1.50  |
| Glycerophosphoric, 25% 1 lb. b. b.   | 1.85  | 1.95  |
| H 225 lb bbls. wks.                  | .72   | .75   |
| Hydrolic, 10% USP 5 lb bot.          | ...   | .75   |
| Hydrochromic, 48% cuml. 155 lb       | ...   | ...   |
| chgs. wks.                           | .35   | .40   |
| 43% cuml. 10 chgs. wks.              | ...   | .40   |
| 40% USP 155 lb chgs. wks.            | .45   | .48   |
| 10% USP 100 lb chgs. wks.            | .11   | .13   |
| Hydrochloric, see also Acid Muriatic | ...   | ...   |
| CP, USP, 110 lb chgs.                | .08   | .11   |
| HYDROFLUORIC, 30% 400 lb bbls.       | ...   | ...   |
| wks.                                 | ...   | .07   |
| 30% bbls. c/l wks.                   | ...   | .06   |
| 30% 100 lb chgs. wks.                | ...   | .07   |
| 48% single 100 lb chgs. wks.         | ...   | .11   |
| 48% 10 chgs. wks.                    | ...   | .10   |
| 52% 100 lb chgs. wks.                | ...   | .14   |
| 52% 10 chgs. wks.                    | ...   | .11   |

|   |         |      |
|---|---------|------|
| Acid, hydrofluoric—(continued)            | ...     | ...  |
| 60% 100 lb chgs. wks.                     | ...     | .14  |
| 60% 300 lb dr. wks.                       | ...     | .13  |
| White Acid, 100 lb chgs. wks.             | ...     | .26  |
| White Acid, 10 chgs. wks.                 | ...     | .25  |
| Hydrofluosilicic, 35% 450 lb bbls.        | ...     | ...  |
| wks.                                      | ...     | .13  |
| Hypophosphorous, USP 30% 5                | ...     | ...  |
| gal. demis.                               | ...     | .85  |
| USP, 10% 5 gal. demis.                    | ...     | .30  |
| LACTIC, 22% dark 500 lb bbls.             | .05     | .05% |
| 23% light bbls.                           | .06     | .06% |
| 44% dark, bbls.                           | .10%    | .11  |
| 44% light, bbls.                          | .13%    | .13  |
| 66% bbls. dark, bbls.                     | .16%    | .17  |
| 66% light, bbls.                          | .26     | .26% |
| USP IX 100 lb chgs.                       | ...     | .75  |
| USP VIII 100 lb chgs.                     | ...     | .70  |
| Laurent's, 250 lb bbls.                   | ...     | .90  |
| Metanilic, 250 lb bbls.                   | .60     | .65  |
| Mixed, sulfuric-nitric                    | ...     | ...  |
| Drums, wks.                               | .N Unit | .07% |
| Drums, wks.                               | .S Unit | .01  |
| Tank cars, wks.                           | .N Unit | .06% |
| Tank cars, wks.                           | .S Unit | .009 |
| Molybdic, 85% pure 100 lb kegs.           | 1.35    | 1.60 |
| 100% C.P. 100 lb kegs.                    | 2.00    | 2.10 |
| Monosulfonic F, Delta, 50 lb              | ...     | ...  |
| tins                                      | ...     | 2.20 |
| MURIATIC, 30% chgs. 1c/l                  | ...     | ...  |
| wks.                                      | 100 lb  | 1.35 |
| Chgs. c/l wks.                            | 100 lb  | 1.30 |
| Tank cars, wks.                           | 100 lb  | 1.00 |
| 18°, 120 lb chgs.                         | ...     | ...  |
| c/l wks.                                  | 100 lb  | 1.00 |
| Tank cars, wks.                           | net ton | ...  |
| 22°, 120 lb chgs.                         | ...     | ...  |
| c/l wks.                                  | 100 lb  | 1.75 |
| Iron, free 20° chgs.                      | ...     | ...  |
| c/l wks.                                  | 100 lb  | ...  |
| Tank cars, wks.                           | net ton | ...  |
| Muriatic, CP & USP, see Acid Hydrochloric | ...     | ...  |
| Naphthalene, tech. 250 lb bbls.           | ...     | .63  |
| Refined, single bbls.                     | ...     | .65  |
| Neville & Winter's, 250 lb                | ...     | ...  |
| bbls.                                     | ...     | 1.05 |





*Muriatic  
Sulphuric*

*Hydrochloric  
Nitric*

Used for 67 years in industrial plants and in colleges and universities for analytical work. The dependability and confidence established with users of our C. P. Acids compensates for the infinite care taken in their manufacture. Distributed in bottles and carboys.

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*Certified*  
**CHEMICALS**

**Chas. Cooper & Co.**

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1857



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This is but one of many tests where pharmaceutical manufacturers have decided that Sodium Cacodylate FOUGERA leads in quality, purity and uniformity.

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Calomel Corrosive Sublimate  
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Blue Pill Mass Blue Pill Powder

Mercury Bisulphate

Mercury with Chalk

Mercurial Ointment

50 per cent. Mercury

Mercurial Ointment

30 per cent. Mercury

Blue Ointment



**Powers-Weightman-Rosengarten Co.**

Manufacturing Chemists

New York PHILADELPHIA St. Louis

**HYDRO BRAND**  
**AQUA AMMONIA**

*A New Standard of Purity*

MADE FROM SYNTHETIC AMMONIA AND PURE WATER

26° BAUME

*Shipments in Drums and Tank Cars from Niagara Falls, New York*


**THE AMMONIA CORPORATION** 280 MADISON AVE., NEW YORK

## Chemicals

|                                   |         |           |  |         |         |  |         |           |
|-----------------------------------|---------|-----------|--|---------|---------|--|---------|-----------|
| <b>ACID, NITRIC, 36° 185D</b>     |         |           | <b>ACID, Sulfuric</b>                                  |         |         | <b>ALCOHOL—(continued)</b>   |         |           |
| 1c/l chys. wks.....100D           | 4.75    | : 5.25    | 1c/l wks. ....100D                                     | 1.50    | : 1.75  | Isopropyl, crude 50 gal. dra...gal   | ...     | : 4.50    |
| Chys. c/l wks.....100D            | 4.50    | : 4.75    | Drums, c/l wks.....100D                                | 1.25    | : 1.50  | Refined, 90% 50 gal. dra...gal   | 6.90    | : 6.95    |
| 38° 1c/l chys. wks.....100D       | 5.25    | : 5.75    | Tank cars, wks.....net ton                             | 17.00   | : 18.00 | Ref'd, 99% dra .....gal  | 8.75    | : 8.85    |
| Chys., c/l wks.....100D           | 5.00    | : 5.25    | Contract cars, wks.....ton                             | ...     | ...     | Methyl, see Alcohol, Wood  |         |           |
| 40° 1c/l chys. wks.....100D       | 5.75    | : 6.00    | Oleum, 40% dra 1c/l wks.net ton                        | ...     | : 40.00 | Propyl, nml. crd. 50 gal. drms.gal   | ...     | : 4.40    |
| Chys., c/l wks.....100D           | 5.50    | : 5.75    | Oleum, 60% dra, 1c/l wks.net ton                       | 60.00   | : 70.00 | Refined, 16D cane.....D  | ...     | : .75     |
| 42° 1c/l chys. wks.....100D       | 6.25    | : 6.75    | Sulfurous, USP 6% 100D chys.D                          | .05     | : .06   | Denatured  |         |           |
| Chys., c/l wks.....100D           | 6.00    | : 6.25    | 4% 100D chys.....D                                     | .04     | : .05   | No. 1 Complete Denat. 188 Proof  |         |           |
| C. P. chys. single.....100D       | .15     | : .16     | USP, 5 gal. demis.....D                                | .06     | : .08   | 50 gal. bbl. incl.....gal  | .60 1/2 | : .61 1/2 |
| Oxalic, 300D bbls., wks.....D     | .09 1/2 | : .09 3/4 | Tannic, tech. 300D bbls.....D                          | .30     | : .40   | 50 gal. drums, extra.....gal   | .53 1/2 | : .55 1/2 |
| Bkls., NY .....D                  | .09 1/2 | : .10     | USP, powd. 200D bbls.....D                             | .75     | : .80   | No. 1 Special Denat. 190 Proof   |         |           |
| Kops, 100D NY .....D              | .10 1/2 | : .11     | USP, fluffy, 50D bbls.....D                            | .75     | : .80   | 50 gal. bbl. incl.....gal  | .59 1/2 | : .60 1/2 |
| Imp., 560D casks.....D            | .09 1/2 | : .09 3/4 | Tartaric, USP cryst 300D bbls. D                       | ...     | : .29   | 50 gal. drums, extra.....gal   | .52 1/2 | : .54 1/2 |
| Phenylcinchondine, domestic.....D | 8.50    | : 9.00    | USP, powd. 300D bbls. D                                | ...     | : .29   | No. 5 Complete Denat. 188 Proof  |         |           |
| Imported, 5 Ds.....D              | 7.00    | : 7.25    | Imp. USP, 240D bbls.....D                              | .26 1/2 | : .27   | 50 gal. bbls. incl.....gal   | .58 1/2 | : .60 1/2 |
| Phosphoric, 50% tech. 100D chys.  | .09     | : .10     | Powd. 240D bbls.....D                                  | .26 1/2 | : .27   | 50 gal. drums, extra.....gal   | .51 1/2 | : .53 1/2 |
| USP, Syrupy 85°, 70D.....D        | .16     | : .17     | Tungstic, 100D bbls.....D                              | .90     | : .95   | No. 6 Complete Denat. 188 Proof  |         |           |
| demis.....D                       | ...     | ...       | Valeric, C.P., 10D bot.....D                           | 2.50    | : 2.75  | 50 gal. bbls. incl.....gal   | .57 1/2 | : .59 1/2 |
| Imported.....D                    | ...     | ...       | Acetiline Alk. cryst. 1 oz. vis. oz                    | ...     | : 30.00 | 50 gal. drums, extra.....gal   | .50 1/2 | : .52 1/2 |
| Phthalic, see Phthalic Anhydride  |         |           | Amorphous, 1 oz. vis.....oz                            | ...     | : 20.00 | In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special use. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. |         |           |
| Picramic, 300D bbls.....D         | ...     | : .65     | Adeps Lanac, hydrous 350D bbls. D                      | .15     | : .21   | Aloin, USP, 100D cases.....D   | .85     | : .87     |
| Pieric, 450D bbls.....D           | ...     | : .80     | Anhydrous, 350D bbls.....D                             | .18     | : .23   | Alpha-Naphthol crude 300D bbls. D  | ...     | : .65     |
| Bkls. car lots wks.....D          | .20     | : .25     | Albumen Egg, edible.....D                              | ...     | : 1.25  | Refined.....D  | ...     | : .80     |
| Pyrogallic, crys. 8D cans.....D   | 1.25    | : 1.80    | Blood.....D  | .45     | : .50   | Alpha-Naphthylamine, 350D bbls. D  | .35     | : .37     |
| Rosafinied, 5D cans.....D         | 1.55    | : 1.65    | Vegetable.....D  | .60     | : .70   | Ton lots, bbls. wks.....D  | ...     | : .35     |
| Tech. powd., 200D bbls.....D      | ...     | : .85     | Technical, see Dyers Sundries                          |         |         |  |         |           |
| Salicylic, tech. 125D bbls.....D  | .32     | : .53     | ALCOHOL, USP 190 pt. 50 gal. bbls.                     | 4.87    | : 4.96  |  |         |           |
| USP, 100D bbls.....D              | ...     | : .35     | Second Handa, bbls, USP 190 pt.                        | ...     | : ...   |  |         |           |
| Second Hands.....D                | .32     | : .33     | Export, USP, 190 pt.....gal                            | .50     | : .85   |  |         |           |
| Sulfanilic, 250D bbls.....D       | .16     | : .30     | Cologne Spirit, 50 gal. bbls.gal                       | 4.95    | : 5.05  |  |         |           |
| SULFURIC, 66° 180D chys.          |         |           | WOOD, see Methanol                                     |         |         |  |         |           |
| 1c/l wks.....100D                 | 1.35    | : 1.75    | Alcohols - also in 50 gal. drums extra and returnable. |         |         |  |         |           |
| Chys., c/l wks.....100D           | ...     | : 1.35    | Amyl, see Oil Fusal                                    |         |         |  |         |           |
| 1500D Drums, 1c/l wks.....100D    | ...     | : 1.25    | Rutyl, 50 gal. drums, wks. D                           | ...     | : .32   |  |         |           |
| Drums, c/l wks.....100D           | ...     | : 1.10    | Tank cars, wks.....D                                   | ...     | : .30   |  |         |           |
| Tanks cars, wks.....net ton       | 14.00   | : 15.00   | Isobetyl, crude 50 gal. drums.gal                      | ...     | : ...   |  |         |           |
| 60° 1500D Drums                   |         |           | Refined, 10 D can .....D                               | 1.10    | : 1.20  |  |         |           |
| 1c/l wks.....100D                 | .75     | : 1.00    |  |         |         |  |         |           |
| Drums, c/l wks.....100D           | .65     | : .75     |  |         |         |  |         |           |
| Tank cars, wks.....net ton        | 2.00    | : 10.00   |  |         |         |  |         |           |
| C. P. 175D chys.....100D          | .08     | : .09     |  |         |         |  |         |           |

# General Chemicals

A MARK OF PLEDGED RESPONSIBILITY



ON PRODUCTS OF STANDARD MERIT

## Acetic Acid

|                   |                           |                  |
|-------------------|---------------------------|------------------|
| Sulphuric Acid    | Ammonia Alum              | Salt Cake        |
| Epsom Salt        | Aluminum Sulphate         | Tin Crystals     |
| Hydrochloric Acid | Aqua Ammonia              | Sodium Sulphide  |
| Mixed Acids       | Copperas Nitrate Iron     | Sodium Silicate  |
| Nitric Acid       | Anhydrous Bisulphite Soda | Sodium Phosphate |

### GENERAL CHEMICAL COMPANY

40 Rector Street, New York

|           |           |        |              |               |
|-----------|-----------|--------|--------------|---------------|
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The Nichols Chemical Co., Ltd., Montreal  
Cable Address: Lycurgus, N. Y.

## Chemicals

|  |         |               |                                       |      |        |   |      |         |
|--|---------|---------------|---------------------------------------|------|--------|---|------|---------|
| <b>ALUM.</b> Ammonia, lump 400 lb. bbls. |         |               | <b>AMMONIA</b> anhyd. 100 lb. cyl.... |      |        | <b>AMMONIUM</b> —(Continued)              |      |         |
| Wks. ....                                | 100 lb. | 3.50 : 3.65   | Water, 26° 800 lb. drs. wks....       | ...  | ...    | Persulfate, 112 lb. cases.....            | 35   | : .40   |
| Imp., 500 lb. casks.....                 | 100 lb. | ...           | Dr. c/l wks.....                      | ...  | ...    | Phosphate, dibasic 200 lb. bbls.          | ...  | : .38   |
| Ground, 400 lb. bbls. wks.100 lb.        |         | 3.65 : 3.75   | C.P., clys. ....                      | ...  | ...    | Tech., powd. 325 lb. bbls....             | ...  | : .18   |
| Powd. 380 lb. bbls. wks.100 lb.          |         | 3.90 : 4.00   | Imp., 800 lb. drs.incl.spot.          | ...  | ...    | Phosphate, mono, 325 lb. bbls.            | ...  | : .12½  |
| Chrome 500 lb. cks. wks.100 lb.          |         | 5.50 : 6.00   | 26° 100 lb. clys. le/l wks....        | ...  | ...    | Salicylate, USP 100 lb. kegs..            | .70  | : .75   |
| Potash, lump 400 lb. bbls.               |         | ...           | Chys., c/l wks.....                   | ...  | ...    | Sulfate, bulk c/l wks.....100 lb.         | 2.50 | : 2.55  |
| Wks. ....                                | 100 lb. | 4.50          | 20° 800 lb. drs. le/l wks....         | ...  | ...    | 200 lb. single bgs. c/l wks. 100 lb.      | ...  | : 2.75  |
| Bbls. c/l wks.....                       | 100 lb. | 4.25          | Chys., le/l wks.....                  | ...  | ...    | 200 lb. double bgs., f.a.s.100 lb.        | ...  | : 2.65  |
| Cont. bbls. c/l wks.....                 | 100 lb. | 4.25          | 18° 800 lb. drs. le/l wks....         | ...  | ...    | Sulfocyanide, tech. 100 lb. kegs.         | .50  | : .60   |
| Imp. 650 lb. cases s.p.....              | 100 lb. | 3.00 : 3.50   | Chys., le/l wks.....                  | ...  | ...    | CP, 25 lb. jars.....                      | .60  | : .70   |
| Ground, 400 lb. bbls. wks.100 lb.        |         | 4.35 : 4.60   | 16° 800 lb. drs. le/l wks....         | ...  | ...    | Amyl Acetate, tech. 50 gal. drs.gal       | 2.75 | : 3.00  |
| Imp. 650 lb. casks.....                  | 100 lb. | 2.75 : 3.00   | Chys., le/l wks.....                  | ...  | ...    | Refined, 50 gal. drums.....gal            | 3.50 | : 3.75  |
| Powd., 380 lb. bbls. wks.100 lb.         |         | 4.50 : 4.75   | Ammonium Acetate, 100 lb. kegs.       | ...  | ...    | Alcohol, see Fuel oil                     |      |         |
| Chrome, 700 lb. cks wks.100 lb.          |         | 5.50 : 6.00   | Benzonate, USP, 1 lb. bot....         | .90  | : .95  | <b>ANILINE</b> oil, 900 lb. drs.....      | .16  | : .17   |
| Soda grd. 400 lb. bbls. wks.100 lb.      |         | 4.00          | Bifluoride, 300 lb. bbls.....         | .22  | : .23  | Andline Salt, 200 lb. bbls.....           | .18  | : .23   |
| Bbls. c/l wks.....                       | 100 lb. | 3.50          | 100 lb. kegs.....                     | .23  | : .24  | Anthracene, 80-85%, 600 lb. casks         |      |         |
| <b>Aluminum</b> , metal, c/l NY.....     | 100 lb. | 27.00 : 28.00 | Bromide, 50 lb. boxes.....            | .44  | : .45  | Wks. ....                                 | .80  | : .85   |
| Chloride, anhyd. 275 lb. drs....         |         | .20 : .22     | Imported, 112 lb. boxes.....          | ...  | ...    | 28-30%, Imp. ....                         | .02  | : .03½  |
| Crystals, 375 lb. bbls.....              |         | ...           | Carb., tech. 560 lb. casks.....       | ...  | ...    | Anthraquinone, sublim. 125 lb. bbls.      | 1.00 | : 1.15  |
| 30% sol. 120 lb. clys.....               |         | .03½ : .04    | Powd., tech. 385 lb. bbls....         | ...  | ...    | Antimony metal, slab to tons 100 lb.      | .11  | : .11½  |
| Hydrate 96% light 90 lb. bbls.           |         | .17 : .18     | USP, lump, 100 lb. kegs.....          | .12½ | : .13½ | Needle Powd., 100 lb. cases....           | .08½ | : .09   |
| Heavy 62-64%, 220 lb. bgs.               |         | .06 : .06½    | Powd., 100 lb. kegs.....              | .11½ | : .12  | <b>ANTIMONY CHLORIDE</b> , anhyd 1000 lb. |      |         |
| 400 lb. bbls. wks.....                   |         | .06½ : .07    | Chloride, Domestic                    |      |        | Dr. ....                                  | ...  | : .35   |
| <b>SULFATE</b> , Iron-free bags c/l      |         |               | White, 250 lb. bbls., c/l....         | ...  | ...    | 50 lb. crocks.....                        | .45  | : .48   |
| Wks. ....                                | 100 lb. | 2.25 : 2.40   | 250 lb. bbls., le/l wks.....          | ...  | ...    | Sol'n, 130 lb. carboys 33°....            | ...  | : .06   |
| Imported, spot.....                      | 100 lb. | 2.00 : 2.25   | Imp. wh. 250 lb. casks spot.          | ...  | ...    | Oxide, 500 lb. bbls.....                  | ...  | : .10   |
| Comm'l., ¼% iron. bgs. c/l               |         |               | Gray 250 lb. bbls., wks.....          | .08  | : .08½ | Salt, dom. 500 lb. bbls.....              | .24  | : .25   |
| Wks. ....                                | 100 lb. | 1.35          | Bbls., c/l wks.....                   | ...  | ...    | Imp., NY.....                             | .18  | : .19   |
| Cont. bgs. c/l wks. E.100 lb.            |         | 1.30 : 1.35   | Imp. gray 250 lb. casks.....          | .07½ | : .08  | Sulfuret, golden 500 lb. bbls....         | ...  | : .21   |
| Bags, c/l wks. W....100 lb.              |         | 1.30          | Lump, 500 lb. casks spot....          | .12½ | : .13  | 336 lb. kegs.....                         | ...  | : .19   |
| Bbls., c/l wks. East.100 lb.             |         | 1.50          | Ichthyolate, as to brand.....         | 4.85 | : 5.00 | Crimson, 500 lb. bbls.....                | ...  | : .28   |
| Bulk, c/l cont. wks. E.100 lb.           |         | ...           | Iodide, USP, 25 lb. jars.....         | ...  | ...    | 336 lb. kegs.....                         | ...  | : .26   |
| Amidol, (see Diaminophenol)              |         |               | Lactate, 500 lb. bbls.....            | .15  | : .16  | Red, 500 lb. bbls.....                    | ...  | : .45   |
| Amidopyrine, Imp. 10 lb. boxes..         |         | 4.35 : 4.50   | Nitrate, tech. crys. 225 lb. bbls.    | ...  | ...    | 336 lb. kegs.....                         | ...  | : .42   |
| Domestic, 10 lb. boxes.....              |         | 4.60          | Refined Crystals, bbls.....           | .21  | : .23  | Tartroacetate, 500 lb. bbls....           | ...  | : .45   |
| Aminonobenzene, 110 lb. kegs....         |         | 1.15          | CP gran. 100 lb. kegs.....            | .35  | : .37  | Antipyrine, USP, 100 lb. cases....        | 2.00 | : 2.05  |
|  |         |               | Oxalate, pure, 100 lb. kegs....       | .40  | : .42  | Apomorphine Hydrochloride, ¼ oz. vials    | ...  | : 22.75 |
|  |         |               |                                       |      |        | Arecoline Hydrobromide, 1 oz. vial..      | 6.25 | : 7.82  |
|  |         |               |                                       |      |        | Argols, red powd. 350 lb. bbls....        | .06  | : .07   |

# GRASSELLI GRADE

A Standard Held High for 85 Years

## SNOW CAP BRAND Zinc Oxide

This low lead content pigment (5 per cent) is noted for the excellence of the results it gives.

## GRASSELLI WHITE Lithopone

Brilliant white; highly resistant to exposure; neutral; opaque.

## TOMAHAWK BRAND Zinc Oxide

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PRICES CURRENT SECTION



## Chemicals

|  |  |  |
|--|--|--|
| Arsenic, metal, 220 lb kegs.... : .45<br>Red, 224 lb kegs cases.... : .15 : .15%<br>White, 220 lb cases to 550 lb<br>bbls., NY..... : .08% : .07%<br>Ascorbine..... : 19.00 : 19.00<br>Aspirin, see Acid acetylsalicylic<br>Atropine, Alk. USP, 1 oz. vial... : 5.00 : 5.27<br>Sulfate, 5 oz. cases..... : 2.75<br>Single ounce..... : 2.92<br>BARIUM DIOXIDE, see Barium chloride<br>Carbonate, precip., 500 lb bbls.<br>wks..... : 65.00 : 70.00<br>Precip., 200 lb bbls., wks..... : 64.00 : 66.00<br>Import, bbls. spot..... : 55.00 : 60.00<br>Chloride, 800 lb bbls., wks..... : 80.00 : 85.00<br>200 lb bbls., wks..... : 78.50 : 83.50<br>Import, bbls., spot..... : 72.00 : 74.00<br>Dioxide, 85% 600 lb drs..... : .17 : .18<br>Import, 85-88% 400 lb drs..... : .15 : .16<br>Hydrate, 500 lb bbls..... : .03<br>Iodide, 5 lb bot..... : 8.15<br>Nitrate, 700 lb cases..... : .10<br>Import cases..... : .07% : .08<br>Sulfocyanide 400 lb bbls..... : .85<br>Barytes, floated 350 lb bbls wks..... : 23.00 : 26.00<br>Imported..... : 29.00 : 33.00<br>Bay Rum, Florio Rican, genuine<br>Medicated salicyl. acid or tartar<br>emetic, 45 gal. bbls..... : 1.10 : 1.20<br>Medicated quinine sulf. 45 gal.<br>bbls..... : 1.10 : 1.20<br>Domestic synthetic, 50 gal.<br>bbls..... : .90 : 1.00<br>St. Thomas<br>Medicated salicyl. acid or tartar<br>emetic, 50 gal. bbls..... : 1.10 : 1.20<br>Benzaldehyde, tech. 945 lb drs.<br>wks..... : .70 : .75<br>USP, 40 lb cys..... : 1.40 : 1.50<br>FCC, 40 lb cys..... : 1.50 : 1.65<br>BENZENE, 90% 8000 gal. tanks<br>wks..... : .23<br>110 gal. drs. wks..... : .23<br>Pure Tanks, wks..... : .25 : .26<br>110 gal. drs. wks..... : .30 : .31 | Benzidine Base, dry 250 lb bbls. : .78 : .80<br>Benzidine Sulfate, paste 350 lb<br>bbls..... : .70 : .72<br>Benzol, see Benzene<br>Benzonaphthol, 5 lb boxes..... : 3.50 : 3.60<br>Benzoyl Chloride, 500 lb drs..... : 1.00<br>Benzyl Acetate, 100 lb cys..... : 1.55 : 1.75<br>Alcohol, 5 lb bot..... : 1.45 : 1.55<br>Benzoate, 5 lb bot..... : 1.80 : 1.75<br>Medicinal FCC..... : 1.75 : 2.00<br>Chloride, 95% tech. 925 lb drs..... : .25 : .30<br>100 lb cys..... : .25 : .30<br>Redistil 160 lb cys..... : .40 : .45<br>Formate, 1 lb bot..... : 3.00 : 3.25<br>Berberine Hydrochloride, 1 lb bot..... : 22.50<br>Sulfate, acid or neut. 1 lb bot..... : 22.00<br>BETA-NAPHTHOL, 350 lb bbls, wks..... : .25 : .26<br>Carlots, wks..... : .24<br>Sublimed..... : .55 : .60<br>Beta-Naphthylamine, tech. 200 lb<br>bbls..... : .65 : .67<br>Sublimed, 200 lb bbls..... : 1.35<br>Bichloride Mercury, see Mercury Bichloride<br>BISMUTH metal, 150 lb cases..... : 2.00<br>Second Hands..... : 2.00<br>Ammon. Citrate, USP 5 lb bxs..... : 5.60<br>Betanaphtholate, 5 lb bxs..... : 3.15<br>Citrate, USP 5 lb bxs..... : 2.85<br>Nitrate, 25 lb jars..... : 1.90<br>Oxichloride, 25 lb bxs..... : 3.30<br>Phenolsulfonate, 5 lb cans..... : 3.00<br>Salicylate, 25 lb bxs..... : 1.85<br>Subcarbonate, USP, 25 lb bxs..... : 3.20<br>X-Ray diag. 1 lb bot..... : 3.73<br>Subgallate, USP, 25 lb bxs..... : 2.65 | BISMUTH—(Continued)<br>Subdioxide, 5 lb lots..... : 4.50<br>Subnitrate, USP, 25 lb jars..... : 2.70<br>Second Hands..... : 2.60<br>Cones, 1 lb bot..... : 3.89<br>Subsalicylate, USP, 175 lb bbls..... : 2.95<br>Tannate, 1 lb bot..... : 2.62<br>above on basis 25 lb lots.<br>Smaller lots at an advance.<br>Blanc Fixe, dry 400 lb bbls. wks. : 75.00 : 80.00<br>Imported, tbls..... : 70.00 : 72.00<br>Paste, 650 lb bbls..... : 50.00 : 55.00<br>BLEACHING POWDER, 700 lb drs.<br>c/l wks..... : 1.90<br>Drums 1c/l ex-warehouse..... : 2.35 : 2.50<br>Contract, c/l wks..... : 1.90 : 2.15<br>Drums, 1c/l wks..... : 2.05 : 2.30<br>Imported, spot..... :<br>Blue Ointment, see Mercury<br>Mass, see Mercury<br>Bone Ash, 100 lb kegs..... : .06 : .07<br>Black, 200 lb bbls..... : .06<br>Borax, USP, crys. 400 lb bbls..... : .05 : .05%<br>Powdered, USP, 300 lb bbls..... : .05 : .05%<br>Kegs, USP, 100-150 lb..... : .05% : .05%<br>Bordeaux Mixture, 16% pd. bbls..... : .11% : .18<br>Paste, bbls..... : .08 : .10<br>Borleol. 1 lb bot..... : 3.50<br>Bromide, see potassa. bromide, etc.<br>Bromine, bot. in 60 lb cs. wks..... : .39<br>Bromobenzene, 600 lb drums..... : .40 : .42<br>Bromoform, USP 5 lb bot 50 lb cs..... : 1.65<br>Brucine Sulfate, 100 oz..... : .15 : .25<br>Butter of Antimony, see Antimony Chloride<br>CADMIUM, metal 100 lb bxs..... : .95 : 1.00<br>Bromide, 50 lb cases jars..... : 1.30<br>Iodide, 10 lb bot..... : 4.45<br>Sulfide, cs..... : 1.50 : 1.60 |
|--|--|--|

# Ammonium Nitrate

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Fused White Lump for the Manufacture of Nitrous Oxide  
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Acetaldehyde  
Acetaldol  
Diethyl Sulphate  
Ethylene Chlorhydrin  
Ethylene Dichloride  
Ethylene Glycol  
Ethylene Oxide  
Glycol Diacetate  
Isopropanol  
(Isopropyl Alcohol)  
Paraldehyde

**Preservative for non-intoxicating preparations**

**Reagent for manufacture of fine chemicals**

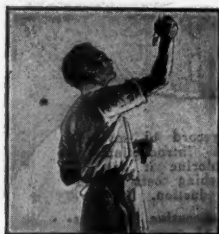
**Low freezing constituent for solutions**

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8 Thomas St., New York, N. Y.

## Chemicals

|                                   |       |          |   |      |        |                                       |       |         |
|-----------------------------------|-------|----------|---|------|--------|---------------------------------------|-------|---------|
| CAFFEINE ALK, USP 5 lb cans..D    | 3.50  | : 3.75   | CAMPBELL, Amer. ref: 250 lb             |      |        | Chalk, drop 175 lb bbls.....D         |       | : .08%  |
| Second Hands.....D                | 3.40  | : 3.45   | bbls.....D                              |      | : .83  | Precip. light 250 lb cans.....D       |       | : .04%  |
| Hydrochloride, 1 lb bot.....D     | 6.05  | : 6.55   | 2 1/4 lb slabs, 100 lb cs.....D         |      | : .84% | Precip. heavy 560 lb cans.....D       |       | : .03%  |
| Sulfate, 1 lb bot.....D           | 5.40  | : 5.90   | 1 lb cakes, 100 lb cs.....D             |      | : .84% | Bulk.....ton                          | 5.00  | : 8.00  |
| Citrate, 25 lb cans.....D         | 2.90  | : 3.10   | 1 oz tab., 1 lb ctms.....D              |      | : .85% | Precip. English, 7 lb bags.....D      |       | : .07%  |
| Hydrobromide, 1 lb bot.....D      | 4.85  | : 4.90   | 100 lb cs.....D                         |      | : .85% | Charcoal, Bone, see bone black        |       |         |
| CALCIUM Acetate, 150 lb bgs, c/l  |       |          | 1/4 oz tab., 1 lb ctms.....D            |      | : .89  | Wood, powd. 100 lb bbls.....D         | .04   | : .05   |
| 100 lb.....D                      |       | : 3.00   | 100 lb cs.....D                         |      | : .89  | Willow, powd. 100 lb bbls.....D       | .06   | : .07   |
| Arsonate, 100 lb bbls, c/l wks. D | .08   | : none   | Jap. ref., 2 1/4 lb slabs, 100 lb       |      |        | China Clay, Dom., crude.....ton       | 6.00  | : 8.00  |
| Bromide, 100 lb cs.....D          |       | : .50    | cs.....D                                | .68  | : .60  | Washed & Ground.....ton               | 8.00  | : 15.00 |
| Carbide, 220 lb dr. c/l wks..D    |       | : .04%   | 1 oz tab., 100 lb cs. 1 lb              |      |        | Imp., Filler Clay.....ton             | 12.00 | : 15.00 |
| Drums, 1c/l wks.....D             |       | : .05    | time.....D                              |      | : .83  | Coating.....ton                       | 18.00 | : 20.00 |
| Carbonate, tech. 100 lb bags,     |       |          | 1/4 oz tab., 100 lb cs., 1 lb           |      |        | Chloral Hydrate, USP 100 lb drs D     | .75   | : .80   |
| c/l.....100 lb                    | 1.00  | : 1.10   | time.....D                              |      | : .84  | 25 lb jars.....D                      | .83   | : .85   |
| USP, precip. 175 lb bbls.....D    |       | : .04    | Chinese ref. 2 1/4 lb slabs 100 lb      |      |        | Chinoidin, 140 lb drs.....D           |       | : .40   |
| Chloride, solid, 550 lb drs. c/l  |       |          | cs. D.....D                             |      | : .58  | Chloramine-T, 5 lb bot.....D          | 1.25  | : 2.50  |
| f.o.b. NY.....ton                 |       | : 24.50  | Crude, 100 lb cs.....D                  |      | : .60  | Chlorocase, 5 lb bot.....D            | .55   | : .75   |
| Imp. shipment.....ton             | 21.00 | : 21.50  | Camphor, Monobrom., 100 lb cs..D        | 1.75 | : 1.85 | Chlorhydrin, Ethylene anhyd, 600 lb   |       |         |
| Gran., 350 lb drs. c/l f.a.h.     |       |          | Caramel, 50 gal. bbls.....gal           |      | : .70  | drs.....D                             | .75   | : .85   |
| NY.....ton                        |       | : 30.50  | Carbazol, 250 lb bbls.....D             |      | : .50  | 40% soln. 100 lb chys.....D           | .35   | : .30   |
| Flake 350 lb drs. c/l drs. f.a.h. |       |          | Carbon Bisulfide, 500 lb drs. 1c/l NY D |      | : .06% | CHLORINE, Liquid 3000 lb cyl.         |       |         |
| NY.....ton                        |       | : 30.50  | c/l drums, NY.....D                     |      | : .06  | c/l wks.....D                         |       | : .04%  |
| Anhyd., 350 lb drs. f.a.h. NY D   | .13   | : .38    | Carbon Black, 12 1/4 lb bags.....D      | .09  | : .11  | Tank car lots, wks. Contract. D       |       | : .04%  |
| Glycerophosphate, 250 lb bbls..D  |       | : 1.40   | Carbon Dioxide, Liquid, 20-25 cyl. D    |      | : .06  | 100 lb cyl. c/l.....D                 |       | : .05%  |
| Hydrate, (see Lime)               |       |          | Carbon Tetrachloride, 1400 lb drs.      |      |        | 100 lb cyl. 1c/l wks.....D            |       | : .07%  |
| Hypophosphite, USP, 25 lb cans D  | .60   | : .65    | NY.....D                                | .06% | : .06% | 100 lb cyl. 1c/l ex-warehouse..D      | .08   | : .09   |
| Iodide, 5 lb bot.....D            |       | : 4.40   | Drums, c/l NY.....D                     |      | : .06% | Chlorobenzene, mono. 1000 lb drs.     |       |         |
| Lactate, tech. 500 lb bbls.....D  |       | : 13 1/4 | 700 lb drs. single NY.....D             | .07  | : .07% | wks.....D                             | .10   | : .11   |
| U.S.P.....D                       | .60   | : .60    | Carbide, No. 40 5 lb boxes.....D        | 4.75 | : 4.85 | Dr. c/l wks.....D                     | .08   | : .08%  |
| Nitrate, 220 lb bbls, c/l NY ton  |       | : 40.00  | Cassia, edib., 100 lb keg.....D         |      | : .45  | Tank car lots wks.....D               |       | : .08   |
| Phosphate, tech. 350 lb bbls. D   | .09   | : .10    | Technical, 200 lb bbls.....D            | .10% | : .11% | CHLORFORM, USP 50 lb drs..D           |       | : .35   |
| Phosphate, precip. tribasic 300   |       |          | Castoreum, 1 lb boxes.....D             | 4.00 | : 4.50 | Second Hands, 650 lb drs.....D        | .32   | : .33   |
| lb bbls, wks.....D                | .11   | : .14    | Castor Oil, USP 50 gal. bbls.....D      |      | : .17  | Technical, 650 lb drums.....D         | .31   | : .32   |
| Phosphate, mono, 225 lb bbls. D   | .07   | : .08    | Cases, 80 D 2 time.....D                |      | : .18  | Chlorophyll, Oil Sol.....D            | 2.50  | : 2.75  |
| Sulfocarbamate, 100 lb kegs.....D | .55   | : .57    | Tech. see Fixed Oils                    |      |        | Water Sol.....D                       | 2.75  | : 4.00  |
| Calomel, see Mercury              |       |          | Caustic Potash, see potash, caustic     |      |        | Chromium Acetate, 20° soln. 400 lb    |       |         |
|                                   |       |          | Soda, see soda, caustic                 |      |        | bbls.....D                            | .07   | : .08   |
|                                   |       |          | Cellulose Acetate, 100 lb cases..D      | 1.75 | : 2.00 | Fluoride, Powd. 400 lb bbls.....D     |       | : .30   |
|                                   |       |          | Cerium Oxalate, USP 100 lb kegs D       | .35  | : .38  | Solp. 400 lb bbls.....D               |       | : .00   |
|                                   |       |          |   |      |        | Chrysarobin, USP, 5 lb cans.....D     | 4.25  | : 5.00  |
|                                   |       |          |   |      |        | Cinchonidin alk., pwd. 100 oz. tins D |       | : .60   |
|                                   |       |          |   |      |        | Crystal.....oz                        |       | : .65   |
|                                   |       |          |   |      |        | Sulfate, 100 oz. tins.....oz          |       | : .40   |
|                                   |       |          |   |      |        | Rosale, 1,000 oz. lots.....oz         |       | : .39   |

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## Chemicals

|  |         |         |
|--|---------|---------|
| Cinchonine alk., pvd. 100oz. tinsos    | ...     | : .38   |
| Crystal                                | .....oz | : .43   |
| Sulfate, 100 oz. tins.....oz           | ...     | : .35   |
| Citrine Ointment, see Mercury          |         |         |
| Coal Tar, See Tars                     |         |         |
| Cobalt metal, 100 lb kegs.....lb       | 2.50    | : 3.00  |
| Cobalt Oxide, 500 lb bbls.....lb       | ...     | : 2.10  |
| 10 lb tins, 200 lb cases.....lb        | ...     | : 2.45  |
| COCAINE alk., USP, 1 oz. vial.....oz   | ...     | : 10.00 |
| Hydrochloride, USP—1 oz. vials,        |         |         |
| 25 ozs.....oz                          | ...     | : 7.07  |
| In 1/2 oz. vials.....oz                | ...     | : 7.50  |
| In crystals, granular, powder,         |         |         |
| or flaky crystals as desired.          |         |         |
| Cocoa Butter, bulk, 200 lb bales.lb    | .24     | : .25   |
| Fingers, cakes, etc. 12 lb bxs.....lb  | .33     | : .35   |
| CODEINE, alk., 1 oz. vial. 10 oz.      |         |         |
| lots.....oz                            | ...     | : 9.87  |
| Hydrobromide, 1 oz. vial. 10 oz.       |         |         |
| lots.....oz                            | ...     | : 7.92  |
| Hydrochloride, 1 oz. vial. 10 oz.      |         |         |
| lots.....oz                            | ...     | : 8.77  |
| Nitrate, 1 oz. vial. 10 oz. lots.oz    | ...     | : 8.77  |
| Phosphate, 1 oz. vial. 10 oz.          |         |         |
| lots.....oz                            | ...     | : 7.42  |
| Salicylate, 1 oz. vial. 10 oz.         |         |         |
| lots.....oz                            | ...     | : 7.42  |
| Sulfate, 1 oz. vial. 10 oz. lots.oz    | ...     | : 7.92  |
| Small Sizes, 1/4 oz. vials, 50c extra. |         |         |
| 1/2 oz. 30c extra, singles 7c extra    |         |         |
| per oz.—25 oz. lots, 10c oz. cheaper   |         |         |
| than above. Less than 10 ozs. 15c oz.  |         |         |
| higher than above.                     |         |         |
| COD LIVER OIL, Norwegian, 30 gal.      |         |         |
| " bbls. ....bbl                        | 25.00   | : 26.50 |
| Newfoundland, 30 gal. bbls. bbl        | ...     | : ...   |
| Colchicine alk USP 1 oz. vial.....oz   | ...     | : 15.07 |
| Salicylate, 1 oz. vial.....oz          | ...     | : 15.07 |
| Cellodion USP 30 lb drums.....lb       | ...     | : .22   |

|                                      |         |           |
|--------------------------------------|---------|-----------|
| COPPER metal electrolyte c/l         |         |           |
| NY                                   | 12.87   | : 13.00   |
| Lake, c/l NY                         | 13.25   | : 13.38   |
| Casting, c/l NY                      | ...     | : 12.75   |
| Carbonate, 400 lb bbls.....lb        | .16     | : .17     |
| Chloride, 250 lb bbls.....lb         | ...     | : .28     |
| Cyanide, 100 lb drs.....lb           | .49     | : .50     |
| Iodide, 5 lb bot.....lb              | ...     | : 5.65    |
| Oxide, red 1600 lb bbls. ton lots lb | .16 1/2 | : .17     |
| Sub-Acetate, verd. 440 lb bbls. lb   | .23     | : .28     |
| SULFATE, crys. 450 lb bbls. lb       |         |           |
| spot                                 | 4.75    | : 4.90    |
| Carlots, bbls., f.o.b. NY 100 lb     | 4.60    | : 4.70    |
| Carlots, bbls. delivered. 100 lb     | 4.75    | : 4.90    |
| Imp. 550 lb csks spot.....100 lb     | 4.40    | : 4.50    |
| Powdered, 350 lb 5 bbls.....lb       | 5.50    | : 5.75    |
| Copperas, bulk c/l wks.....ton       | ...     | : 15.00   |
| 200 lb bgs, c/l wks.....ton          | ...     | : 18.00   |
| 400 lb bbls. c/l wks.....ton         | ...     | : 20.00   |
| Powdered, bbls. ....100 lb           | 1.90    | : 2.00    |
| Sugar, 400 lb bbls.....100 lb        | 1.25    | : 1.35    |
| Corn Syrup, 42 deg. 50 gal.          |         |           |
| bbls. ....100 lb                     | ...     | : 4.26    |
| 43 deg. 50 gal. bbls.....100 lb      | ...     | : 4.31    |
| 44 deg. 50 gal. bbls.....100 lb      | ...     | : 4.38    |
| 45 deg. 50 gal. bbls.....100 lb      | ...     | : 4.45    |
| Corn Sugar, see Glucose              |         |           |
| Cotton Soluble, 100 lb bbls. wet. lb | .40     | : .42     |
| Coumarin, 25 lb tins.....lb          | 3.25    | : 3.45    |
| Second Hands                         | 3.25    | : 3.30    |
| CREAM TARTAR, USP, 300 lb            |         |           |
| bbls. ....lb                         | .21 1/4 | : .21 1/2 |
| Imp. powd. USP, 224 bbls.....lb      | .20 3/4 | : .21     |
| Creosote, USP, 42 lb chys.....lb     | ...     | : .45     |
| Carbonate, 1 lb bot. 25 lb.....lb    | 1.70    | : 1.80    |
| Creosote oil, 50 gal. drs.....gal    | .26     | : .30     |
| Cresol, USP, 400 lb drums.....lb     | .22     | : .23     |
| Cyanamide, bulk c/l wks Amm. unit    | 1.90    | : 2.00    |
| DIAMINOPHENOL, 160 lb kegs.....lb    | ...     | : 3.80    |
| Dianisidine, 100 lb kegs.....lb      | 4.00    | : 4.50    |
| Dichlorobenzene, 1000 lb drs.....lb  | .06     | : .07     |
| Diethylaniline, 850 lb drs.....lb    | .58     | : .61     |
| Diethyl Phthalate, 25 lb cans.....lb | .40     | : .45     |
| 1000 lb drs. ....lb                  | .35     | : .40     |

|                                       |       |         |
|---------------------------------------|-------|---------|
| Diethyl Sulfate tech. 50 gal. drs. lb | .20   | : .25   |
| CP drums                              | ...   | : .50   |
| Digitallin, Pure, 1 oz. vial.....oz   | 9.75  | : 10.25 |
| Dimethylaniline, 840 lb drs. wks. lb  | .35   | : .36   |
| Dimethylsulfate, 100 lb drs.....lb    | ...   | : .50   |
| Dinitrobenzene, 400 lb bbls.....lb    | .16   | : .17   |
| Dinitrochlorobenzene, 400 lb bbls. lb | .18   | : .19   |
| Dinitronaphthalene, 350 lb bbls. lb   | .32   | : .34   |
| Dinitrophenol, 350 lb bbls.....lb     | .32   | : .35   |
| Dinitrotoluene, 300 lb bbls.....lb    | .19   | : .20   |
| Dionin, see Morphine, Ethyl-          |       |         |
| Diphenylamine, 250 lb bbls.....lb     | .48   | : .50   |
| Diphenylguanidine, 170 lb bbls. lb    | 1.10  | : 1.15  |
| Dover's Powder, USP 5 lb tins.....lb  | 2.20  | : 2.30  |
| Duboisine Sulfate, 1 oz. vial.....oz  | ...   | : 30.07 |
| EARTH, Diatomaceous, see Kieselguhr   |       |         |
| Emetine alk., 15 gr. vial.....oz      | ...   | : 1.30  |
| Hydchlide, USP 1 oz. vial.....oz      | 17.00 | : 17.50 |
| 15 gr. vials.....oz                   | ...   | : .75   |
| EPSOM SALT, tech. 300 lb bbls.        |       |         |
| NY                                    | ...   | : 2.15  |
| Bbls. c/l NY.....100 lb               | ...   | : 2.00  |
| 100 lb bgs, c/l NY.....100 lb         | 1.70  | : 1.75  |
| Imp., 220 lb bgs. c/l                 |       |         |
| NY                                    | ...   | : 1.40  |
| USP, 300 lb bbls, 10 bbls. 100 lb     | ...   | : 2.50  |
| Carlots, bbls. ....100 lb             | 2.10  | : 2.15  |
| Imported, 400 lb bbls.....100 lb      | 1.75  | : 2.00  |
| 100 lb kegs .....100 lb               | 2.00  | : 2.25  |
| Ergotin, Bonjean, 1 lb jars.....lb    | 6.00  | : 6.35  |
| Eserine alk., 1 oz. vial.....oz       | ...   | : 24.07 |
| Salicylate, USP 1 oz. vial.....oz     | ...   | : 16.07 |
| Sulfate, USP VIII, 1 oz. vial.....oz  | ...   | : 11.07 |
| ETHER, USP 55 lb drums.....lb         | ...   | : .13   |
| Anaesthesia, 55 lb drums.....lb       | ...   | : .16   |
| USP, 1880 55 lb drums.....lb          | ...   | : .40   |
| Washed, 55 lb drums.....lb            | ...   | : .33   |
| Motor, 1 lb cans.....lb               | .24   | : .27   |
| Ether, Nitrow, 1 lb bot.....lb        | .92   | : .95   |
| Ethyl Benzyl Aniline, 300 lb drs. lb  | 1.15  | : 1.25  |



# Baker & Adamson Reagent Chemicals

## Standard Quality

Manufactured in Easton, Pa., since 1884

## GENERAL CHEMICAL COMPANY

40 Rector Street, New York

Baltimore  
Buffalo

Chicago  
Cleveland

Denver  
Easton

Philadelphia  
Pittsburgh

Providence  
San Francisco

The Nichols Chemical Co., Ltd, Montreal

Cable Address: Lyourgus, N Y.

## Chemicals

|   |       |       |   |        |       |  |        |
|---|-------|-------|---|--------|-------|--|--------|
| Ethyl Acetate, 98%, 50 gal. dr. gal     | 1.15  | 1.18  | Gelatin, USP silver lbl. 100 lb. cs. lb.          | .62    | .66   | Hydrastine Hydrochloride, USP 15 gr. vials | 1.00   |
| 85% Ester, 100 gal. dr. gal             | ..    | .95   | Gold Label, 100 lb. cases                         | ..     | ..    | Hydrazobenzene 100 lb. kgs.                | ..     |
| Carlota, drums                          | ..    | .92   | Technical, 100 lb. cs.                            | .50    | .55   | HYDROGEN PEROXIDE, 25 vol. 400 lb. bbls.   | ..     |
| Tanks Cars                              | ..    | .90   | GLAUBER'S SALT, tech. 200 lb. bags, lb/1 wk.      | 1.15   | 1.25  | 100 vol. 145 lb. cys.                      | .36    |
| Refined, drums                          | 1.77  | 1.90  | 350 lb. bbls. c/1 wk.                             | ..     | 1.25  | USP Soln. 375 lb. bbls.                    | .05    |
| Bromide 115 lb. drs.                    | ..    | .40   | Bbls. lb/1 wk.                                    | 100 lb | 1.30  | 100 vol. 145 lb. cys.                      | .48    |
| Chloride, 15 lb. cyl.                   | ..    | .35   | Imported, bbls. spot.                             | ..     | .85   | USP bot. 4 oz. cases                       | 8.00   |
| Metlri Ketone, 50 gal. drums. lb        | .35   | .35%  | USP, 300 lb. bbls. imp. sp. 100 lb                | ..     | 1.25  | Bot. 8 oz. cases                           | 11.75  |
| Morphine, see Morphine, Ethyl           | ..    | ..    | USP, 300 lb. bbls. dom. sp. 100 lb                | ..     | 1.75  | Bot. 16 oz. cases                          | 19.75  |
| Ethylene Bromide, 600 lb. drs.          | ..    | .60   | USP, 300 lb. bbls. c/1 wk. 100 lb                 | ..     | 1.40  | Hydroquinone, 100 lb. kgs.                 | 1.40   |
| Glycerol                                | .65   | 1.00  | Calcined, see Sodium Sulfate                      | ..     | ..    | Hyoscine Hydrobrom. USP 1 oz. vial         | 9.57   |
| Chlorhydrin, anhyd. 50 gal. dr. lb      | .75   | .85   | Glucose, (Grape Sugar) dry, 100 70° bags, c/1 NY. | 4.29   | 4.54  | Five ozs., 1 oz. vials                     | 9.00   |
| 40% Solution, 50 gal. bbls. lb          | .25   | .30   | Syrup, Drs. & bbls. c/1 NY 100 lb                 | 4.26   | 4.45  | Hyocyanine Alk. Cryst., 1 oz. vial. cs     | 20.07  |
| Dichloride, 50 gal. drs.                | .30   | .35   | lb/1 NY   | 4.36   | 4.55  | Alkaloid, Amorphous, 1 oz. vial. cs        | 75.07  |
| Ethylideneaniline                       | ..    | .70   | GLUE, pure white, bbls.                           | ..     | .26   | Hydrobromide, USP 1 oz. vial. cs           | 25.07  |
| Eucalyptol, 25 lb. cans                 | ..    | .80   | Medium white, bbls.                               | ..     | .24   | Sulfate, 1 oz. vial.                       | 20.07  |
| Feldspar, bulk                          | 20.00 | 25.00 | French, bbls.                                     | ..     | .25   | INDOL, C. P., 1 oz. bot.                   | 6.00   |
| FERRIC CHLORIDE, tech. crys.            | ..    | ..    | High Grade, bbls.                                 | ..     | .40   | Iodides, see Potass. Iodide, etc.          | ..     |
| 475 lb. bbls.                           | ..    | .67   | Bone, regular, bbls.                              | ..     | .10   | IODINE, crude, 200 lb. kgs.                | 3.97   |
| Imported                                | .06   | .06%  | Fish, bbls.                                       | ..     | 1.50  | Resublimed, 10 lb. jars                    | 4.45   |
| USP, crys. 100 lb. kgs.                 | ..    | .08   | GLYCERIN, C. P. 550 lb. drums. lb                 | ..     | .19   | Tincture, USP, 50 gal. bbls. gal           | 4.20   |
| Imported                                | ..    | .07%  | Cans 50 lb  | ..     | .20   | Carboys                                    | 4.25   |
| Neut. Sol'n 40° 140 lb. cys.            | ..    | .06   | Dynamite, 100 lb. drs.                            | ..     | .18%  | Iodoform, powd. 10 lb. bot.                | 5.50   |
| 48°, 140 cys.                           | ..    | .08   | Saponification, tanks                             | ..     | .18%  | Crystals, 10 lb. bot.                      | 6.50   |
| USP Sol'n 125 lb. cys.                  | ..    | .05%  | Soap, Lye tanks                                   | ..     | .12   | Iridium, metal 1000 lots                   | 260.00 |
| Ferrous Chloride, crys. tech.           | ..    | ..    | Gua Powder, see chrysarobin                       | ..     | ..    | Iron, metal by hydrogen 1 lb. bot. lb      | .80    |
| 475 lb. bbls.                           | .06   | .06%  | Graphite, crude 220 lb. bags.                     | 15.00  | 35.00 | IRON & AMM. CITRATE, USP 25 lb. cans       | .79    |
| Ferrous Sulfate, 1000 lb. bbls. 100 lb  | 2.50  | 3.00  | Flake, 500 lb. bbls.                              | ..     | .05   | Green scales, 25 lb. cans                  | .79    |
| Flake White, see lead, white            | ..    | ..    | Ground, lump, bbls.                               | ..     | .05   | Cacodylate, 10 lb. bot.                    | 6.50   |
| Fluorspar, 95% 220 lb. bgs. ex-dock     | ..    | 25.00 | Gualacol liquid, USP, 25 lb. cans. lb             | 2.35   | 2.45  | Citrate, USP VIII 25 lb. cans. lb          | .99    |
| 98% bps.                                | ..    | 33.50 | Benzonate, 1 lb. bot.                             | ..     | 18.00 | Chloride, see ferric or ferrous            | ..     |
| 98% bps.                                | ..    | 35.00 | Carbonate, 5 lb. boxes                            | ..     | 4.60  | Hypophosphite, 5 lb. cans.                 | 1.50   |
| FORMALDEHYDE, USP 400 lb. bbls. c/1 wk. | ..    | .09%  | Second Hands                                      | ..     | 3.60  | Syrup, USP VIII                            | .30    |
| Carboys, 100 lb. lb/1 wk.               | ..    | .10%  | HAARLEM OIL, Dom. 6 gr. oz. gross                 | 2.75   | 3.00  | Iodide, 1 lb. bot.                         | 4.28   |
| Bbls., 400 lb. lb/1 wk.                 | ..    | .10%  | Imported, 5 gr. cases                             | 4.00   | 4.35  | Syrup, USP, 5 lb. bot.                     | .35    |
| Second Hands                            | ..    | .09   | Halazone, 5 lb. bot.                              | 2.75   | 3.25  | Nitrate, kgs.                              | .09    |
| Food Flour                              | ..    | .04   | Hexamethylenetetramine, USP 100 lb. drums         | .75    | .77%  | Com'l, bbls.                               | 2.75   |
| Formandine                              | ..    | .50   | Imported  | ..     | .65   | Oxalate scales 25 lb. cans.                | .85    |
| Fuller's Earth, 200 lb. bps. c/1 mines  | 15.00 | 17.00 | Rubber Makers, Impalp. Pd. drs.                   | ..     | .82%  | Oxide red, Spanish                         | .08%   |
| Imported, 230 lb. bags NY.              | 35.00 | 40.00 | Homatropine Hydrobrom. USP 1 oz. vial             | ..     | 14.57 | & Ammon. Oxalate 25 lb. bbs.               | .45    |
| Furfural. 300 lb. bbls.                 | ..    | .35   | Five ozs., 1 oz. vials                            | ..     | 13.50 | & Potassium Oxalate, 25 lb. bbs.           | .45    |
| Fusel Oil, refined, 50 gal. dr. gal     | 3.50  | 3.75  | Hydrastine Alk., USP, 1 oz. vial. cs              | 14.00  | 14.57 | & Sodium Oxalate, 25 lb. bbs.              | .41    |
| Crude, 50 gal. drum.                    | 3.15  | 3.25  | Hydchlide, USP, 1 oz. vial.                       | ..     | 14.57 | Phosphate, USP 25 lb. cans.                | .79    |
| G SALT, coarse 350 lb. bbls. baste      | ..    | ..    | Sulfate, 1 oz. vial.                              | ..     | 16.07 | Pyrophosphate, USP 25 lb. cans             | .84    |
| 100%                                    | .60   | .65   | ..  | ..     | ..    | ..   | ..     |

The  
**Norvell Chemical Corporation**

Acid Benzoic  
Sodium Benzoate  
Benzyl Chloride  
Mercurials  
Formaldehyde  
Silver Salts  
Creosote  
Creosote Carbonate  
Glycerophosphates  
Hexamethylenamine  
Benzaldehyde



New York Office 99 John Street  
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## ACETONE, C. P.

Conforms to the stringent specifications of the United States Pharmacopoeia and British War Department.

AVAILABLE FOR IMMEDIATE SHIPMENT IN TANK CARS OR DRUMS at a price no higher than material of inferior quality.

### USES

Paint and varnish removers.  
Solvent for celluloid, nitrocellulose and cellulose acetate.  
Extraction of digestive ferments, oils, oleoresin materials, etc.  
Manufacture of chloroform and iodoform.  
Manufacture of moving picture films, celluloid and waterproof belt cements.  
Absorbent in acetylene cylinders.  
Denaturant for Ethyl Alcohol.

## Commercial Solvents Corporation

### Sales Offices:

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High Holborn, W. C. 1,  
London, England.  
Terre Haute,  
Indiana.  
Plants: Terre Haute, Ind. and Peoria, Ill.

## Chemicals

|                                       |       |         |                                       |                               |         |                                      |       |       |
|---------------------------------------|-------|---------|---------------------------------------|-------------------------------|---------|--------------------------------------|-------|-------|
| JALAP RESIN, lump 5 lb tins...lb      | 3.25  | 3.35    | Linalool, 5 lb bot...lb               | 6.25                          | 6.75    | Manganese—(continued)                |       |       |
| Powd. tins...lb                       | 3.40  | 3.50    | Litharg, see lead oxide               |                               |         | Glycerophosphate, 5 lb tins...lb     | 2.95  |       |
| Kapoc, 200 lb double bales...lb       | .25   | .26     | Lithium Carb. USP, 100 lb kgs...lb    | 1.50                          | 1.60    | Hypophos. USP VIII 5 lb cans...lb    | 1.40  |       |
| KIESELGUHR, 95 lb bags NY...ton       | 60.00 | 70.00   | Bromide, 100 lb cs...lb               | 1.75                          | 1.85    | Iodide, 1 lb bot...lb                | 6.65  |       |
| LANOLIN, see Adeps Lanæ               |       |         | Citrate, USP, 100 lb kgs...lb         | 1.70                          | 1.75    | Ora, bulk, NY...lb                   | .40   | .45   |
| LEAD, metal c/NY...100 lb             |       | 8.00    | Iodide, 5 lb bot...lb                 |                               | 7.50    | Sulfate, 600 lb casks NY...lb        |       | .08   |
| Acetate, white crystals 500 lb        |       |         | Lithopone, 400 lb bbls, lc/l wks...lb |                               | .06%    | Marble Flour, bulk...ton             | 10.00 | 12.00 |
| bbls. wks...lb                        |       | .14%    | Ebils. c/l wks...lb                   |                               | .06%    | See also Calcium Carbonate           |       |       |
| 100 to 250 lb kgs. wks...lb           |       | .15     | Bags, c/l wks...lb                    |                               | .06%    | MENTHOL, USP, 60 lb cases...lb       |       | 13.25 |
| White, broken, bbls, wks.100 lb       |       | 13.90   | Imported, 400 lb bbls...lb            | .05%                          | .06     | Less cases, 5 lb tins...lb           |       | 13.50 |
| White, gran., bbls, wks.100 lb        |       | 14.15   | Litmus Cubes...lb                     | .90                           | 1.00    | Domestic, USP, 60 lb cases...lb      |       |       |
| White, powd., bbls, wks.100 lb        |       | 15.25   | Luminal, see Phenylethylmalonylurea   |                               |         | MERCURY, metal, 75 lb flasks...flask | 71.50 | 72.00 |
| Kegs, wks...lb                        |       | .15%    | MAGNESITE, crude...ton                |                               | 15.00   | Less flasks, 5 lb jugs...lb          |       | 1.10  |
| Brown, broken, bbls, wks...lb         |       | .13%    | Calcined, 500 lb bbls...ton           |                               | 55.00   | Bichloride, cryst. 25 lb bxs...lb    |       | 1.13  |
| USP, 100 lb kgs...lb                  |       | .16     | Magnesium mt., sticks 100 lb cs...lb  | 1.25                          | 1.30    | Gran. powd., 200 lb kgs...lb         |       | .98   |
| Arsenate, 100 lb bbls, lc/l wks...lb  | .21   | .26     | Carb. tech. 70 lb bags NY...lb        | .08                           | .08 3/4 | Bisulfate, 25 lb boxes...lb          |       | .96   |
| Bbls. c/l wks...lb                    | .17   | .19     | 75 lb bbls, NY...lb                   | .09%                          | .10 1/4 | Blue Mam, 25 lb boxes...lb           |       | .66   |
| Paste, 100 & 600 lb bbls...lb         | .10   | .15     | USP, 60 lb bbls...lb                  | .13                           | .14     | Powdered, 25 lb boxes...lb           |       | .68   |
| Iodide, USP VIII 5 lb bot...lb        | 3.20  | 3.40    | USP, blocks 100 lb cs. 1, 2, 4        |                               |         | Blue Ointment, USP 25 lb cans        |       |       |
| Nitrate, 500 lb bbls, wks...lb        |       | .18     | os...lb                               | .10                           | .23     | 50%...lb                             |       | .86   |
| Oxide, lithge, 500 lb bbls...lb       |       | .10 3/4 | Chloride, fused 575 lb drs. c/l       |                               |         | USP, dilute 25 lb cans 30%...lb      |       | .66   |
| 100 lb kgs, wks...lb                  |       | .15     | wks...ton                             |                               | 34.00   | 33 3/4% Mercury...lb                 |       | .74   |
| Oxide, red 500 lb bbls, wks...lb      |       | .11     | Flaked, 350 lb drs. wks c/l ton       |                               | 36.00   | Calomel, 50 lb bxs...lb              |       | 1.22  |
| 100 lb kgs, wks...lb                  |       | .15     | Imp., fused 900 lb bbls NY ton        | 26.00                         | 28.00   | Citrine Ointment 25 lb jars...lb     |       | .51   |
| Peroxide, 100 lb drs...lb             | .25   | .30     | Fluocillate, crystals 400 lb bbls     | .12                           | .15     | Iodide, green 25 lb jars...lb        |       | 4.10  |
| White, basic carb. 500 lb bbls        |       |         | wks...lb                              | .07                           | .07 1/4 | Red, USP 25 lb jars...lb             |       | 4.20  |
| wks...lb                              |       | .10     | 30% soln. 500 lb bbls, wks...lb       |                               | .06     | Yellow, USP VIII 25 lb jars...lb     |       | 4.10  |
| Bbls. c/l wks...lb                    |       | .10     | Soln. bbls. c/l wks...lb              |                               |         | Oxide, Yellow, USP, 25 lb. bxs lb    |       | 1.68  |
| 100 lb kgs, wks...lb                  |       | .14%    | Glycerophosphate, 5 lb tins...lb      |                               | 3.25    | Red Precip. USP, 25 lb bxs...lb      |       | 1.38  |
| White, sulfate 600 lb bbls, wks...lb  |       | .09 1/2 | Hypophosphite, 5 lb cans...lb         |                               | 1.05    | Powder, USP 25 lb bxs...lb           |       | 1.48  |
| Bbls. c/l wks...lb                    |       | .09 1/2 | Oxide, USP light 100 lb bbls...lb     |                               | .42     | White Precip. USP 25 lb bxs...lb     |       | 1.34  |
| Licorice Ext. Mass, csos...lb         | .25   | .26     | USP, heavy 250 lb bbls...lb           |                               | .50     | Powdered, USP 25 lb bxs...lb         |       | 1.39  |
| Compound powder, bbls...lb            | .11   | .13     | Peroxide, 5 lb cans...lb              |                               | 2.40    | With chalk, USP 25 lb bxs...lb       |       | .86   |
| Powdered...lb                         | .38   | .40     | Perborate, 1 lb tins...lb             |                               | 2.62    | Meta-Nitraniline...lb                | .70   | .80   |
| Sticks, 1 oz. 100 lb cases...lb       | .45   | .50     | Salicylate, 100 lb kgs...lb           | .70                           | .75     | Meta-Nitro-para-Toluidine, 300 lb    |       | 2.20  |
| LIME (Salts, see Calcium Salts)       |       |         | Sulfate, see Epsom Salts              |                               |         | Meta-Phenylethylamine, 300 lb        |       | .95   |
| LIME (Salts, see Calcium Salts)       |       |         | Manganese Chloride, 600 lb csk.       |                               |         | bbls...lb                            | .90   | .95   |
| Live, 325 lb bbls. ton lots, wks...lb |       | .01 1/2 | NY...lb                               | .09%                          | .10     | Meta-Tolylethylamine, 300 lb         |       | .85   |
| Single bbl. wks...lb                  |       | .01%    | Borate, 30%, 200 lb bbls...lb         |                               | .24     | bbls...lb                            | .85   | .88   |
| Hydrated, 167 lb bbl, ton lots, wks   |       | .01 1/2 | 100 lb kgs...lb                       |                               | .25     |                                      |       |       |
| Single bbl. wks...lb                  |       | .01%    | Dioxide, 80-84% 900 lb bbls           | 80.00                         | 85.00   |                                      |       |       |
| Oyster Shell, 150 lb bbl. single...lb |       | .08 1/4 | NY...ton                              | 85-90%, 900 lb bbls, NY...ton | 85.00   |                                      |       |       |
| Sulfur, dry 200 lb drs. NY...lb       |       | .08 1/4 | 85-90%, 900 lb bbls, NY...ton         | 85.00                         | 90.00   |                                      |       |       |
| Drs. c/l NY...lb                      |       | .08     | Hydrated, precip. 100 lb kgs...lb     | .15                           | .20     |                                      |       |       |
| 33° Soln. 50 gal. bbls, NY...gal      | .15   | .16     |                                       |                               |         |                                      |       |       |

## ACETATES

AMYL BUTYL ETHYL

MECCO

The Miner Edgar Company  
 Rail and Water Facilities  
 110 William Street  
 New York





## Chemicals

## PARIS GREEN

|                                   |     |       |
|-----------------------------------|-----|-------|
| Arsenic Basis, 500 lb. kegs....   | .25 | : .30 |
| Kegs, 100 lbs.....                | .32 | : .33 |
| Kilo, 56, 28, 14 lbs.....         | .34 | : .35 |
| Packages, 5 and 2 lbs.....        | .36 | : .37 |
| Packages, 1 lb., 1/2, 1/4 lb..... | .39 | : .43 |

## Paris White, see whitening, French

|                                 |         |           |
|---------------------------------|---------|-----------|
| Peppin, USP, 5 lb. bot.....     | 2.25    | : 2.50    |
| PETROLATUM, green 300 lb. bbls. | .02 1/4 | : .03     |
| Dark Amber, 300 lb. bbls.....   | .03 1/4 | : .04     |
| Light Amber, 300 lb. bbls.....  | .04 1/4 | : .05     |
| Cream White, USP 300 lb. bbls.  | .07     | : .07 1/4 |
| Lilly White, USP, 300 lb. bbls. | .09     | : .09 1/4 |
| Snow White, USP, 300 lb. bbls.  | .12 1/4 | : .13     |

## Phenol, see also acid carbollic

|                                |     |       |
|--------------------------------|-----|-------|
| Makers, 900 lb. drums, wks.... | .24 | : .25 |
| Small drums, 100-240 lb.....   | .25 | : .27 |
| Open market, drs.....          | ... | : .25 |
| 240 lb. des. drs. wks.....     | ... | : .25 |

## Natural, 240 lb. des. drs. wks....

|                                 |     |       |
|---------------------------------|-----|-------|
| Imported, 336 lb. des. drs..... | ... | : ... |
|---------------------------------|-----|-------|

## Phenolphthalein, USP, 100 lb. drs.

|                               |      |        |
|-------------------------------|------|--------|
| 5 lb. cans, 100 lb. lots..... | 1.30 | : 1.40 |
|                               | 1.40 | : 1.50 |

## Phenyl-Alpha-Naphthylamine 100 lb.

|           |     |       |
|-----------|-----|-------|
| kegs..... | ... | : ... |
|-----------|-----|-------|

## Phenylethylalcohol, 1 lb. bot.....

|               |      |        |
|---------------|------|--------|
| Imported..... | 6.75 | : 8.75 |
|               | 7.75 | : 9.75 |

## Phenylethylmalonylurea, oz. pkts. oz.

|                                  |     |        |
|----------------------------------|-----|--------|
| Phosgene, 100 lb. cylinders..... | ... | : 1.00 |
|----------------------------------|-----|--------|

## Phosphorus Oxide, 175 lb. cyl. lb.

|                                     |     |       |
|-------------------------------------|-----|-------|
| Phosphorus, red 110 lb. ca. wks.... | .35 | : .40 |
|-------------------------------------|-----|-------|

## Imported, 112 lb. cases.....

|                              |     |           |
|------------------------------|-----|-----------|
| Yellow, 110 lb. ca. wks..... | .35 | : .37 1/4 |
|------------------------------|-----|-----------|

## Imported, 112 lb. cases.....

|                                      |     |       |
|--------------------------------------|-----|-------|
| Phosphorus Trichloride, 175 lb. cyl. | ... | : .45 |
|--------------------------------------|-----|-------|

## Phthalic Anhydride, 100 lb. bbls.

|                                   |     |       |
|-----------------------------------|-----|-------|
| Phthalic Anhydride, 100 lb. bbls. | .23 | : .28 |
|-----------------------------------|-----|-------|

## Pilocarpine Hydrochloride, USP 25 oz.

|                        |      |        |
|------------------------|------|--------|
| lots, 1 oz. vials..... | 3.00 | : 3.32 |
|------------------------|------|--------|

## Nitrate, 25 oz.....

|                |     |        |
|----------------|-----|--------|
| Single oz..... | ... | : 3.32 |
|----------------|-----|--------|

## Alkaloid, 15 gr. vls.....

|  |     |       |
|--|-----|-------|
|  | ... | : .85 |
|--|-----|-------|

## Piperazine Hydrate, 1 lb. bot....

|                        |      |        |
|------------------------|------|--------|
| Piperidine, 25 oz..... | 1.10 | : 1.25 |
|------------------------|------|--------|

## Pitch, Coal-Tar, wks.....

|                                      |     |        |
|--------------------------------------|-----|--------|
| Plaster Paris, tech 350 lb. bbls.bbl | ... | : 3.30 |
|--------------------------------------|-----|--------|

## True Dental, 300 bbls.....

|                                      |     |          |
|--------------------------------------|-----|----------|
| Platinum, metal soft 10 oz. lots.... | ... | : 118.00 |
|--------------------------------------|-----|----------|

## Podophyllin, 5 lb. bot.....

|                   |      |        |
|-------------------|------|--------|
| Second Hands..... | 5.25 | : 5.50 |
|                   | 5.00 | : 5.25 |

## POTASH, CAUSTIC, solid 88-92%

|                       |     |           |
|-----------------------|-----|-----------|
| 700 lb. drs. wks..... | ... | : .07 1/4 |
|-----------------------|-----|-----------|

## Imp., 88-92% 700 lb. drs. NY. lb.

|                                |     |       |
|--------------------------------|-----|-------|
| USP, by alcohol 5 lb. cans.... | .46 | : .48 |
|--------------------------------|-----|-------|

## cases.....

|                                 |     |       |
|---------------------------------|-----|-------|
| POTASSIUM Acetate, USP, 100 lb. | .30 | : .35 |
|---------------------------------|-----|-------|

## kegs.....

|                                  |     |           |
|----------------------------------|-----|-----------|
| Bicarbonate, crys. 320 lb. bbls. | ... | : .10 1/4 |
|----------------------------------|-----|-----------|

## Bichromate, crys. 900 lb. casks....

|                              |     |       |
|------------------------------|-----|-------|
| Powd., 900 lb. casks wks.... | ... | : .13 |
|------------------------------|-----|-------|

## Binoculate, 300 lb. bbls.....

|                           |     |       |
|---------------------------|-----|-------|
| Import, 112 lb. bbls..... | .25 | : .28 |
|---------------------------|-----|-------|

## Bismuthate, C.P., 5 lb. cans.....

|                   |     |       |
|-------------------|-----|-------|
| 100 lb. kegs..... | ... | : .22 |
|-------------------|-----|-------|

## Bromate, 100 lb. ca. wks.....

|                             |     |       |
|-----------------------------|-----|-------|
| BROMIDE, USP, crys. 450 lb. | ... | : .75 |
|-----------------------------|-----|-------|

## bbls.....

|                             |     |       |
|-----------------------------|-----|-------|
| Granular, 300 lb. bbls..... | ... | : .38 |
|-----------------------------|-----|-------|

## Cases, 100 lb.....

|                                |     |       |
|--------------------------------|-----|-------|
| Imported, USP, 220 lb. ca. lb. | ... | : .39 |
|--------------------------------|-----|-------|

## Imported, USP, 220 lb. ca. lb.

|                         |     |       |
|-------------------------|-----|-------|
| CARBONATE, 80-85% calc. | .28 | : .30 |
|-------------------------|-----|-------|

## 800 lb. cks.....

|                           |         |           |
|---------------------------|---------|-----------|
| 80-85%, hydrated, 800 lb. | .05 1/4 | : .05 1/4 |
|---------------------------|---------|-----------|

## cks.....

|                         |         |           |
|-------------------------|---------|-----------|
| 90-95% calc. casks..... | .05 1/4 | : .05 1/4 |
|-------------------------|---------|-----------|

## 95-98% calc. casks.....

|                      |         |       |
|----------------------|---------|-------|
| 99% calc. casks..... | .05 1/4 | : .08 |
|----------------------|---------|-------|

## USP, 100 lb. kegs.....

|                   |         |       |
|-------------------|---------|-------|
| 99% CP casks..... | .06 1/4 | : .07 |
|-------------------|---------|-------|

## USP, 100 lb. kegs.....

|  |         |       |
|--|---------|-------|
|  | .12 1/4 | : .13 |
|--|---------|-------|

## 99% CP casks.....

|  |     |           |
|--|-----|-----------|
|  | ... | : .12 1/4 |
|--|-----|-----------|

## POTASSIUM—(Continued)

|                                   |     |       |
|-----------------------------------|-----|-------|
| Chlorate, crys. 112 lb. kegs. e/l | ... | : .08 |
|-----------------------------------|-----|-------|

## wks.....

|                           |         |       |
|---------------------------|---------|-------|
| Imp. 112 lb. kegs, NY.... | .08 1/4 | : .07 |
|---------------------------|---------|-------|

## Powd., 112 lb. kegs wks....

|                    |         |       |
|--------------------|---------|-------|
| Imp., kegs NY..... | .08 1/4 | : .09 |
|--------------------|---------|-------|

## Gran. Imp. 112 lb. kegs NY. lb.

|                                |         |       |
|--------------------------------|---------|-------|
| Pyrotechnic, fine powd. NY.... | .10 1/4 | : .11 |
|--------------------------------|---------|-------|

## USP, fine crys. 110 lb. kegs

|         |     |       |
|---------|-----|-------|
| NY..... | ... | : .07 |
|---------|-----|-------|

## Citrate, USP 10 lb. cans.....

|                             |     |       |
|-----------------------------|-----|-------|
| Cyanide, 110 lb. cases..... | .63 | : .68 |
|-----------------------------|-----|-------|

## Glycerophosphate, 75% Soln. 35 lb.

|           |     |       |
|-----------|-----|-------|
| tins..... | .60 | : .65 |
|-----------|-----|-------|

## Gualacol Sulfonate, 5 lb. cans.

|            |      |        |
|------------|------|--------|
| 10 lb..... | 1.35 | : 1.60 |
|------------|------|--------|

## 10 lb.....

|                                |      |        |
|--------------------------------|------|--------|
| Hypophosphite, 10 lb. cans.... | 2.00 | : 2.25 |
|--------------------------------|------|--------|

## Iodide, USP, 100 lb. cases.....

|                         |     |       |
|-------------------------|-----|-------|
| Second Hands, cans..... | .80 | : .85 |
|-------------------------|-----|-------|

## Lactophosphate, 4 oz. bot.....

|                                 |      |        |
|---------------------------------|------|--------|
| Metabismutite, 300 lb. bbls.... | 3.75 | : 3.90 |
|---------------------------------|------|--------|

## Imp., 550 lb. bbls.....

|                                |     |       |
|--------------------------------|-----|-------|
| Muriate, 80%, 200 lb. bags, NY | .18 | : .20 |
|--------------------------------|-----|-------|

K<sub>2</sub>O unit.....

|                        |     |           |
|------------------------|-----|-----------|
| Nitrate, see Saltpetre | ... | : .61 1/4 |
|------------------------|-----|-----------|

## Oxalate, neutral, 100 lb. kegs....

|                                |     |       |
|--------------------------------|-----|-------|
| Perchlorate, 112 lb. kegs..... | .35 | : .40 |
|--------------------------------|-----|-------|

## .09 1/4 : .10

## PERMANGAN. USP, crys. 500 lb.

|                         |     |           |
|-------------------------|-----|-----------|
| & 100 lb. drs., wks.... | .13 | : .13 1/4 |
|-------------------------|-----|-----------|

## Imp. 112 lb. drs.....

|                                   |     |           |
|-----------------------------------|-----|-----------|
| Phosphate, red, 500 lb. casks.... | .13 | : .13 1/4 |
|-----------------------------------|-----|-----------|

## Phosphate, red, 500 lb. casks....

|                                   |     |       |
|-----------------------------------|-----|-------|
| Prussiate, yellow, 500 lb. casks. | .38 | : .40 |
|-----------------------------------|-----|-------|

## .17 1/4 : .18

## Salicylate, 25 lb. cans.....

|  |     |       |
|--|-----|-------|
| Sulfate, 200 lb. bags, NY, K <sub>2</sub> O unit | .60 | : .65 |
|--|-----|-------|

## USP, VIII, 100 lb. kegs....

|                                  |     |       |
|----------------------------------|-----|-------|
| Sulfocyanide, CP 25 lb. jars.... | ... | : .15 |
|----------------------------------|-----|-------|

## Sulfocyanide, CP 25 lb. jars....

|                                  |     |       |
|----------------------------------|-----|-------|
| Tartrate, neutral, 100 lb. kegs. | .50 | : .55 |
|----------------------------------|-----|-------|

## Titanium Oxalate 200 lb. bbls.

|  |     |       |
|--|-----|-------|
|  | .25 | : .30 |
|--|-----|-------|

Largest producers of Pure Phthalic Anhydride in the world



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is the Product by which all other  
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IT-IS-PURE

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THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

## Chemicals

|                                      |      |      |   |     |  |   |        |        |
|--------------------------------------|------|------|---|-----|--|---|--------|--------|
| runace Stone, lump, 250 lb bbls. lb  | .04% | .08  | QUININE—(continued)   |     |  | Santonin USP, 1 lb bot..... lb                      | 145.00 | 148.00 |
| Lump, bags..... lb                   | .03% | .05  | Tartrate..... lb  | .88 |  | Powd. 1 lb bot..... lb                              | 148.00 | 150.00 |
| Powdered, 350 lb bbls..... lb        | .02% | .03  | Valerate..... lb  | .89 |  | Saponin, ex Quillaia, 5 lb tins. lb                 | .90    | 1.10   |
| Pyridine, 50 gal. drums..... gal     | 4.25 | 4.30 | Small Sizes: 1 oz vials or cans, 50 oz. lots, 50 oz extra; 50 oz cans, 50 oz lots 30 oz extra; 250 oz cans, 50 oz lots, 30 oz extra; single 1 oz vials or cans, 50 extra. All minor quinine salts sold and quoted basis 1000 oz lots in 1000 oz cans. Sulfate and bisulfate solid basis 1000 oz lots in 1000 oz cans. Smaller orders or containers extra as above schedule. |     |  | Schaeffer's Salt, 250 lb bbls. wks. lb              | .80    | .01%   |
| QUICKSILVER, see Mercury             |      |      |   |     |  | Scopolamine, see hyoscyamine                        |        |        |
| Quinidine Alk., 100 oz tins..... oz  | .75  |      |   |     |  | Selditis Mixture, 22 lb bbls..... lb                | .17    | .18    |
| Sulfate, 100 oz. tins..... oz        | .50  |      |   |     |  | SILICA  |        |        |
| Quipodine, see Chingidin             |      |      |   |     |  | Crude, bulk, minus..... ton                         | 10.00  | 12.00  |
| QUININE SULFATE, USP,                |      |      |   |     |  | Refined, flaked, bags..... ton                      | 18.00  | 30.00  |
| American, 100 oz tins..... oz        | .50  |      |   |     |  | Air flaked, bags..... ton                           | 32.00  | 50.00  |
| 100 tins, 1000 oz lots..... oz       | .57  |      |   |     |  | Extra, flaked, bags..... ton                        | 55.00  | 65.00  |
| Dutch, 100 oz tins..... oz           | .50  |      |   |     |  | SILVER, metal, American..... oz                     | .99%   |        |
| Java, 100 oz tins..... oz            | .50  |      |   |     |  | Foreign..... oz                                     | .70%   |        |
| Japanese, 100 oz tins..... oz        | .50  |      |   |     |  | Colloidal, 16 oz bot..... oz                        | .280   |        |
| QUININE SULFATE, USP,                |      |      |   |     |  | Silver Iodide, 16 oz bot..... oz                    | .69    |        |
| Acetate..... oz                      | .28  |      |   |     |  | Nitrate, USP, 200 oz. bot..... oz                   | .47%   | .47%   |
| Argenate..... oz                     | .88  |      |   |     |  | Nucleinate, 16 oz bot..... oz                       | .34    | .38    |
| Benzoate..... oz                     | .88  |      |   |     |  | Protinate, 16 oz bot..... oz                        | .34    | .38    |
| Bisulfate, USP..... oz               | .50  |      |   |     |  | Soap, Castile, 40 lb bbs..... lb                    | .20    | .25    |
| Citrate..... oz                      | .62  |      |   |     |  | Powd. USP, 250 lb bbls..... lb                      | .28    | .39    |
| Dihydrochloride, USP..... oz         | .66  |      |   |     |  | Green, USP, 150 lb bags..... lb                     | .07    | .07%   |
| Dihydrobromide..... oz               | .66  |      |   |     |  | Soapstone, see Talc, crude                          |        |        |
| Dicarbonate, 100 oz tins..... oz     | 2.50 |      |   |     |  | SODA ASH, 58% light                                 |        |        |
| Ethyl Carbonate, 16 oz. tins..... oz | .91  |      |   |     |  | 1-4 bags, deliv'd NY..... 100 lb                    | 2.19   |        |
| Ferrocyanide..... oz                 | .88  |      |   |     |  | 5 & Up bags, deliv'd NY..... 100 lb                 | 2.04   |        |
| Formate..... oz                      | .85  |      |   |     |  | 1-4 bbls., deliv'd NY..... 100 lb                   | 2.44   |        |
| Glycerophosphate..... oz             | .83  |      |   |     |  | 5 & Up bbls., deliv'd NY..... 100 lb                | 2.29   |        |
| Iodide..... oz                       | .83  |      |   |     |  | Contract, Basis 58% bags c/1 wks..... 100 lb        | 1.38   |        |
| Hydrobromide, USP..... oz            | .62  |      |   |     |  | Prompt and spot, Basis 58% bags c/1 wks..... 100 lb | 1.43   |        |
| Hydrochloride, USP..... oz           | .62  |      |   |     |  | Contract, Basis 58% dense bags c/1 wks..... 100 lb  | 1.45   |        |
| Hydrochlorosulfate..... oz           | .66  |      |   |     |  | Prompt and spot, Basis 58% bags c/1 wks..... 100 lb | 1.53   |        |
| Hydride & Urea, USP..... lb          | .28  |      |   |     |  | SODA, CAUSTIC, 76% solid                            |        |        |
| Erythrophosphate..... oz             | .83  |      |   |     |  | 1-4 drums deliv'd NY..... 100 lb                    | 3.91   |        |
| Lactate..... oz                      | .78  |      |   |     |  | 5 & Up drums deliv'd NY..... 100 lb                 | 3.76   |        |
| Phenolsulfonate..... oz              | .88  |      |   |     |  | Ground & Flake, 76%                                 |        |        |
| Phosphate..... oz                    | .74  |      |   |     |  | 1-4 drums, deliv'd NY..... 100 lb                   | 4.31   |        |
| Salicylate, USP..... oz              | .63  |      |   |     |  | 5 & Up drums deliv'd NY..... 100 lb                 | 4.16   |        |
| Tannate, USP..... oz                 | .45  |      |   |     |  | 1-4 bbls. deliv'd..... 100 lb                       | 4.66   |        |
|                                      |      |      |   |     |  | 5 & Up bbls., deliv'd..... 100 lb                   | 4.41   |        |
|                                      |      |      |   |     |  | Contract basis 76% c/1 wks..... 100 lb              | 3.10   |        |

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Solvay Snow Flake Crystals

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



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## Chemicals

## SODA CAUSTIC—(Continued)

|                                     |      |      |
|-------------------------------------|------|------|
| Pmpt. and spot, Basis 76%           |      |      |
| c/l wks. ....100lb                  | ...  | 3.20 |
| Contract 74% low grade c/l          |      |      |
| wks. flat ....100lb                 | ...  | 3.02 |
| Ground & flake, 76% pmpt. and       |      |      |
| spot, wks. c/l drs. ....100lb       | ...  | 3.60 |
| Contract 76% drums c/l wks.         |      |      |
| flat ....100lb                      | ...  | 3.50 |
| USP, stick, 10lb cans. ....lb       | ...  | .21  |
| Pure, stick, by alcohol. ....lb     | ...  | .25  |
| SODIUM ACETATE, crys. 450lb bbls.   |      |      |
| wks. ....lb                         | .64% | .05% |
| Aluminate, 500lb bbls. wks. ....lb  | .07% | .08  |
| Aluminum Sulfate, see alum. soda    |      |      |
| Arsenite, 4lb mat. wks. drums gal   | ...  | .50  |
| Drums, 8lb material, wks. gal       | 1.00 | 1.20 |
| Benzonate, USP, 100lb bbls. ....lb  | ...  | .62  |
| Bicarbonate, 400lb bbls. NY. 100lb  | ...  | 2.25 |
| Bbls. c/l wks. ....100lb            | ...  | 2.00 |
| 112lb kegs wks. ....100lb           | ...  | 2.25 |
| 112lb kegs, NY. ....100lb           | ...  | 2.50 |
| Bichromate, 600lb cases wks. ....lb | ...  | .06% |
| Casks, c/l wks. ....lb              | ...  | .06% |
| Casks, NY. ....lb                   | ...  | .06% |
| Ersulfate dry powder, 500lb         |      |      |
| bbls. wks. ....lb                   | .04  | .04% |
| Solution, 32-40°, 500lb bbls.       |      |      |
| wks. ....100lb                      | 1.25 | 1.75 |
| Bromate, 100lb cs. ....lb           | ...  | 1.05 |
| BROMIDE, USP, 450lb bbls. ....lb    | ...  | .38  |
| Cases, 50lb ....lb                  | ...  | .39  |
| Imp. USP, 112lb cs. ....lb          | ...  | .34  |
| Cacodylate, USP, 5lb. bot.          |      |      |
| 25lb ....lb                         | 5.50 | 5.90 |
| Carbonate, sal soda, 350lb bbls.    |      |      |
| lc/l NY. ....100lb                  | 1.30 | 1.35 |
| Works c/l ....100lb                 | 1.10 | 1.30 |
| Monohydrate, 400lb bbl.             |      |      |
| lc/l NY. ....100lb                  | ...  | 2.40 |
| Purc. photographic, 100lb           |      |      |
| kg. ....lb                          | .06  | .08  |
| Chlorate, 112lb kegs, wks. ....lb   | ...  | .06% |
| Imported, 112lb kegs. ....lb        | ...  | .06% |

## SODIUM—(Continued)

|  |       |       |
|--|-------|-------|
| Chloride, tech. 200lb bags. ton            | 12.00 | 13.00 |
| C. F., 300lb bbls. ....lb                  | .05   | .08   |
| Chromate, 800lb bbls. ....lb               | ...   | .08   |
| Citrate, USP, IX, 100lb kegs. ....lb       | .82   | .86   |
| USP, VIII, 100lb kegs. ....lb              | .55   | .59   |
| Cyanide, 96-98%, 100lb cases               |       |       |
| wks. ....lb                                | ...   | .22   |
| Ton lots, wks. ....lb                      | ...   | .22   |
| 73-76%, 100lb cases, wks. ....lb           | ...   | .19%  |
| 125-126%, 200lb cs. ....lb                 | .20   | .20%  |
| 120-125%, 200lb cs. ....lb                 | .17   | .18   |
| 118-120%, 200lb cs. ....lb                 | .16   | .17   |
| Fluoride, 300lb bbls. wks. ....lb          | .08%  | .09%  |
| Imp. 350lb bbls. ....lb                    | ...   | .08%  |
| Glycerophos. USP, crys 25lb                |       |       |
| cans. ....lb                               | 1.40  | 1.50  |
| Powder, 25lb tins. ....lb                  | 1.45  | 1.60  |
| Solution, USP, 25lb tins. ....lb           | 1.05  | 1.15  |
| Hydroxide, see Soda Caustic                |       |       |
| Hypochlorite, Soln., 100lb chgs. ....lb    | ...   | .05   |
| 14% soln., 50lb chgs. ....lb               | ...   | .04   |
| Hydrosulfate, 200lb bbls. fob. wks. ....lb | .22   | .24   |
| For Stripping, 50lb cans. ....lb           | .35   | .40   |
| Hypophosphite USP 25lb cans                |       |       |
| lb. ....lb                                 | .70   | .75   |
| HYPOSULFITE, tech. pea crys.               |       |       |
| 375lb bbls. wks. ....100lb                 | 2.65  | 3.05  |
| Bbls. c/l wks. ....100lb                   | ...   | 2.50  |
| 100lb kegs wks. ....100lb                  | 2.75  | 3.35  |
| Imp. ....100lb                             | 2.65  | 2.75  |
| Granulated, bbls. wks. ....100lb           | 2.90  | 3.30  |
| Bbls. c/l wks. ....100lb                   | ...   | 2.75  |
| Kegs, wks. ....100lb                       | 3.00  | 3.60  |
| Regular crystals. ....100lb                | 2.35  | 2.65  |
| Iodide, USP, 25lb jars. ....lb             | 4.25  | 4.30  |
| Metarsulfate, 150lb bbls. ....lb           | .55   | .70   |
| Naphthionate, 300lb bbls. ....lb           | .59   | .62   |
| Nitrate, crude, 95%, 300lb bags            |       |       |
| c/l NY. ....100lb                          | ...   | 2.40  |
| Future NY. ....100lb                       | 2.40  | 2.45  |
| Double Refined 400lb bbls                  |       |       |
| gran. c/l wks. ....lb                      | ...   | .04%  |
| Nitrite, 500lb bbls. wks. ....lb           | ...   | .08%  |
| Bbls. spot, makers. ....lb                 | ...   | ...   |
| Imp. 650lb cases. ....lb                   | .09   | .09%  |

## SODIUM—(Continued)

|  |      |      |
|--|------|------|
| Ortho-Chloro-Toluene Sulfo-            |      |      |
| nate, 175lb bbls. wks. ....lb          | .25  | .27  |
| Oxalate, neutral, 100lb kegs. ....lb   | ...  | .39  |
| Perborate, 275lb bbls. ....lb          | ...  | .23% |
| Imp. 225lb drs. ....lb                 | ...  | .22  |
| Peroxide, 200lb cases. ....lb          | .25  | .27  |
| Phosphate, di-sodium, tech 550lb       |      |      |
| bbls. ....lb                           | .03% | .03% |
| USP. gran. 275 bbls. ....lb            | .07  | .07% |
| Imp. gran. ....lb                      | .05% | .06  |
| USP, recryst. 275 bbls. ....lb         | .10  | .11  |
| Mono-sodium 100lb kegs. ....lb         | .24  | .26  |
| Tri-sodium tech. c/l, bbls. ....lb     | .03% | .04  |
| Pieramate, 100lb kegs. ....lb          | ...  | .60  |
| Para-Toluene Sulfonate, 175lb          |      |      |
| bbls. ....lb                           | .08  | .09  |
| PRUSSIAN, yellow, 350lb bbls. ....lb   | .09% | .09% |
| Imp. 450lb cks. ....lb                 | .09% | .09% |
| Pyrophosphate, 100lb kegs. ....lb      | .24  | .26  |
| Salicylate, 100lb kegs. ....lb         | ...  | .40  |
| Second Hands, USP, kegs. ....lb        | .37  | .40  |
| Sulfate, 60° 700lb bbls. f.a.s.        |      |      |
| NY. ....100lb                          | ...  | 3.00 |
| Works, 1000lb drums. ....100lb         | ...  | 1.90 |
| Works, tanks. ....100lb                | ...  | 1.75 |
| 40° domestic, 700lb c/l f.a.s.         |      |      |
| wks. ....100lb                         | ...  | .80  |
| Works, 1000lb drums. ....100lb         | ...  | .85  |
| Works, tanks. ....100lb                | ...  | .75  |
| Spot, drums, bbls. ....100lb           | 1.05 | 1.80 |
| Silicofluoride, 450lb bbls. NY. ....lb | .04  | .04% |
| Sulphate, see Glauber's Salt           |      |      |
| Sulfate, Anhydrous, 550lb bbls.        |      |      |
| c/l wks. ....lb                        | .03% | .04  |
| Imp. 250lb bbls. ....lb                | .03  | .03% |
| Sulfide, 60% solid, 650lb drs.         |      |      |
| lc/l wks. ....lb                       | .04  | .04% |
| Drs. c/l wks. ....lb                   | .03  | .03% |
| Imp. 700lb drs. NY. ....lb             | ...  | ...  |
| 60% broken, 650lb drs. wks. ....lb     | .04% | .05  |
| Imp. 500lb drs. NY. ....lb             | .03% | .04  |
| 30% crys. 440lb bbls. wks. ....lb      | .02  | .02% |
| Imp. 400lb bbls. ....lb                | .02% | .02% |
| Sulfite, crys. 400lb bbls. wks. ....lb | .03% | .03  |
| Anhydrous. 400lb bbls. ....lb          | .09% | .10  |

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Merchants Chemical Co.....St Louis  
Provident Chemical Works.....St Louis

#### MONTANA

C. T. Perry Company.....Helena

#### NEW ENGLAND REPRESENTATIVE

E. & F. King & Co.....Boston

#### NEW JERSEY

American Oil & Supply Co.....Newark  
Jacques Wolf & Company.....Passaic

#### NEW YORK

North Hudson Chemical Co.....Albany  
Ritter Chemical Co.....Amsterdam  
H. D. Taylor & Co.....Buffalo  
Scobell Chemical Co.....Rochester  
A. H. Williams Co.....Utica  
Grasselli Chemical Co.....New York City  
Innis Speiden & Co.....New York City  
Joseph Turner & Co.....New York City  
Truempy Faesy & Besthoff.....New York City

#### OHIO

American Chemical Co.....Cincinnati  
Fred G. Clark Company.....Cleveland  
Grasselli Chemical Co.....Cleveland  
Fansher Brothers.....Dayton

#### OREGON

Parrott & Company.....Portland

#### PENNSYLVANIA

Henry Gilbert & Son.....Harrisburg  
Ellis Jackson & Co.....Philadelphia  
Charles B. Scott Company.....Scranton

#### TEXAS

Joe Barlow.....Dallas  
H. J. Barron.....El Paso  
T. M. Norsworthy.....Houston

#### TENNESSEE

Henry S. Sawrie Co.....Nashville  
McCleary Brothers, Inc.....Memphis

#### WASHINGTON

Stewart & Holmes Drug Co.....Seattle  
Western Supply & Brokerage Co.....Spokane

#### WISCONSIN

Merchants Chemical Co.....Milwaukee

#### CANADA

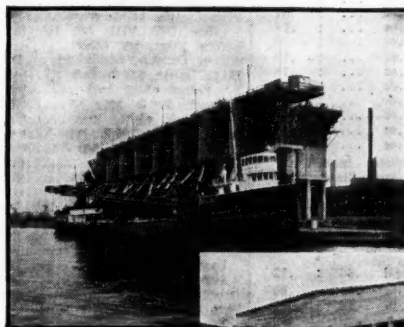
Dillons, Ltd.....Montreal

#### HAWAIIAN ISLANDS

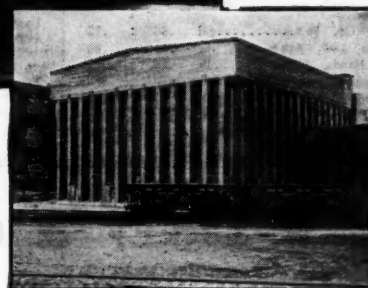
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One of the Light Soda Ash Stockhouses at Works No. 1. Capacity 10,000 tons.



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General Sales Department

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SODA ASH

CAUSTIC SODA

BICARBONATE OF SODA



## Chemicals

|   |         |           |                                      |       |           |                                       |       |           |
|---|---------|-----------|--------------------------------------|-------|-----------|---------------------------------------|-------|-----------|
| <b>SODIUM—(Continued)</b>                 |         |           | <b>SULFUR, crude bulk, c/l NY...</b> |       |           | <b>Thiocarbamid, 170 lb bbls....</b>  |       |           |
| Sulfocarbonate, USP, 100 lb kegs..        | .35     | : .37     | Crude, f.o.b. mines.....             | 14.00 | : 15.00   | Thymol, USP, 25 lb tins.....          | 5.00  | : 5.25    |
| kegs.....                                 | .35     | : .37     | Brimstone, 250 lb bags, c/l 100 lb   | 1.75  | : 1.95    | Iodide, 5 lb boxes.....               | 7.25  | : 7.50    |
| Sulfocyanide, 400 lb bbls.....            | .45     | : .47     | Less c/l bags NY.....                | 1.85  | : 2.10    | TIN, Metal Straits, NY.....           | 48.87 | : 48.87   |
| Tungstate, crys. 100 lb kegs..            | .55     | : .60     | Roll, 500 lb bbls. c/l NY.....       | 2.15  | : 2.15    | American standard, NY.....            | 48.75 | : 48.75   |
| Anhydrous, kegs.....                      | ..      | : .75     | Less c/l bags NY.....                | 2.20  | : 2.45    | 99% American, NY.....                 | 48.37 | : 48.37   |
| <b>SOLVENT NAPHTHA, 110 gal.</b>          |         |           | Flour, Heavy, 290 lb bbls, 100 lb    | 2.50  | : 3.05    | Bichloride, 50% soln. 100 lb          |       |           |
| dra. wks.....                             | .29     | : .30     | Light, 100%, 260 lb bbls, 100 lb     | 2.60  | : 3.15    | bbls., wks.....                       | ..    | : .13%    |
| 8000 gal. tank cars wks.gal.              | .24     | : .25     | Rubbermakers 100%, 240 lb            | 2.50  | : 3.30    | Crystals, 500 lb bbls., wks.....      | ..    | : .35     |
| Sparteine Sulfate, USP, 25oz bulk.oz      | .30     | : .40     | bbls, NY.....                        | 1.85  | : 1.85    | 100 lb kegs, wks.....                 | ..    | : .35 1/2 |
| Single oz. vial.....                      | ..      | : .47     | Commercial, 99%, 150 lb bgs.         | 1.85  | : 1.85    | Oxide, 400 lb bbls. wks.....          | ..    | : .52     |
| Starch, rice, 140 lb bags.....            | .09     | : .10     | NY.....                              | 2.00  | : 2.50    | 100 lb kegs, wks.....                 | ..    | : .54     |
| <b>STRONTIUM Bromide, USP, 50 lb.</b>     |         |           | For Dyeing, 99%, 100 lb              | 2.00  | : 2.50    | Tetrachloride, 1000 lb dra.wks        | ..    | : .28     |
| kegs.....                                 | .41     | : .42     | bgs. NY.....                         | 3.00  | : 3.55    | Tolidine, 350 lb bbls.....            | 1.00  | : 1.10    |
| Carb. 600 lb bbls. wks.....               | ..      | : .07     | Flowers, 100%, 240 lb bbls.          | ..    | : .07     | Sulfate, 350 lb bbls.....             | ..    | : 1.10    |
| 100 lb kegs, wks.....                     | ..      | : .08     | NY.....                              | ..    | : .07     | Toluene, 8000 gal tank cars, wks.gal  | ..    | : .38     |
| Iodide, USP, 25 lb jars.....              | ..      | : 4.00    | Precipitated, 125 lb bbls NY..       | .14   | : .17     | 110 gal. dra. wks.....                | ..    | : .31     |
| Nitrate, 600 lb bbls., wks.....           | .10     | : .10 1/4 | Lac, 125 lb bbls NY.....             | .07   | : .10     | Toluidine, Mixed, 900 lb dra. wks.    | .31   | : .32     |
| Imp., bbls., NY.....                      | ..      | : .08 1/4 | Sulfur Chloride, red, 700 lb dra.    | ..    | : .06     | Triacetin, 50 gal. dra, wks.....      | ..    | : .37 1/2 |
| Salicylate, USP, 100 lb kegs..            | .70     | : .75     | wks.....                             | ..    | : .08     | Tribromophenol, 100 lb cases.....     | ..    | : 1.00    |
| <b>STRYCHNINE Alkaloid, USP, crys.</b>    |         |           | 150 lb chys. wks.....                | ..    | : .08     | Trional, see Sulfonethymethane        | ..    | : .80     |
| 100 oz. tins.....                         | ..      | : .71     | Yellow, 700 lb dra. wks.....         | ..    | : .05     | Triphenylguanidine.....               | ..    | : .55     |
| Alk. powd., USP.....                      | ..      | : .61     | 150 lb chys. wks.....                | ..    | : .07     | Triphenyl Phosphate, 450 lb bbls      | 2.50  | : 3.00    |
| Acetate.....                              | ..      | : .78     | Sulfur Dioxide, 100 lb cyl.....      | ..    | : .08 1/2 | Tripoli, 500 lb bbls.....             | 8.25  | : 9.00    |
| Glycerophosphate, USP.....                | ..      | : .78     | Iodide, USP, VIII, 5 lb bot..        | ..    | : 4.55    | Tungsten NY.....                      | ..    | : .15     |
| Hydrobromide.....                         | ..      | : .78     | Sulfuric Ether, see Ether            | ..    | : .75     | Ultramarine Blue.....                 | ..    | : .30     |
| Hydrochloride.....                        | ..      | : .78     | Sulfuryl Chloride, 600 lb dra.....   | ..    | : 40.00   | UREA, pure, 112 lb cases.....         | ..    | : .49 1/2 |
| Hypophosphite.....                        | ..      | : .88     | TALC, Italian 220 lb bags NY..       | 60.00 | : 80.00   | Cans, 80 oz.....                      | ..    | : .50     |
| Nitrate, USP.....                         | ..      | : .78     | Refined white, bags.....             | 30.00 | : 35.00   | Cans, 16 oz.....                      | ..    | : .45     |
| Phosphate.....                            | ..      | : .78     | French, 220 lb bgs., NY.....         | 35.00 | : 45.00   | Second Hands.....                     | ..    | : .05     |
| Sulfate, USP, crys. powd.....             | ..      | : 49 1/4  | Refined, white, bags.....            | 13.00 | : 15.00   | Venetian Red.....                     | ..    | : .40     |
| Saccharinate.....                         | ..      | : 1.90    | Dom., crude, 100 lb bags NY..        | 16.00 | : 18.00   | Verdigris, see Copper Subacetate      | ..    | : 1.35    |
| Strychnine preparations quoted bases      |         |           | Refined, 100 lb bags NY.....         | ..    | : .06     | Vermilion, Amer. 100 lb kegs....      | 1.30  | : 1.35    |
| 100oz lots in 100oz tins. Small Stems;    |         |           | Tar, Coal Gas, Yks, wks.....         | ..    | : .07     | English, kegs.....                    | ..    | : 1.85    |
| 1/4oz vials, 50c extra; 1/4oz vials, 25c  |         |           | Coke Oven Yks, wks.....              | ..    | : .08     | Veratrine Sulfate, 1oz vial.....      | ..    | : 1.85    |
| extra; single ounce vials, 7c extra. Lots |         |           | Water Gas, Yks, wks.....             | ..    | : .24     | Hydrochloride, 1oz vial.....          | ..    | : 1.85    |
| of 25 ozs. 5c higher than above           |         |           | Tartar Emetic, tech. 700 lb bbls.    | ..    | : .31     | Veronal, see Acid Diethylbarbituric   | ..    |           |
| schedule. Lots of less than 25 ozs.       |         |           | USP, 300 lb bbls.....                | ..    | : .60     | WHITE LEAD, see lead, white           | ..    |           |
| 10c higher per oz.                        |         |           | Terpin Hydrate, USP, 100 lb kegs     | ..    | : .43     | White Precipitate, see mercury        | ..    |           |
| Sugar Coloring, bbls.....                 | .63     | : .72     | Terpineol, CP 1000 lb drums....      | ..    | : .53     | Whiting, 200 lb bags, c/l wks.ton     | 13.00 | : 15.00   |
| Sugar Milk, USP, 290 lb bbls..            | .21 1/4 | : .22     | Cans, 50 lb.....                     | ..    | : .95     | Bags, 1c/l NY.....                    | ..    | : 18.00   |
| Second Hands, USP, bbls.....              | .20     | : .21     | Imported, cans, 25 lb.....           | ..    | : 1.65    | Gilliers, bags, NY.....               | 13.50 | : 15.00   |
| Sulfonal, see Sulfonethymethane           |         |           | Terpenyl Acetate, 25 lb cans....     | 1.85  | : 1.90    | French, bags, NY.....                 | ..    | : 18.00   |
| Sulfonethymethane, USP, 10 lb bxs.        | 3.85    | : 4.05    | Terra Alba, No. 1, 300 lb bbls100    | 1.25  | : 1.35    | English, bags, NY.....                | ..    | : 21.00   |
| Sulfonmethane, USP, 10 lb bxs..           | 2.85    | : 2.85    | No. 2, bbls.....                     | 4.00  | : 4.10    | Witch Hazel Extract, 50 gal. bbls.gal | 1.05  | : 1.10    |
|   |         |           | Theobromine Alk., 5 lb cans....      | ..    | : 3.42    |                                       |       |           |
|   |         |           | and Sod. Salicylate, 1 lb bot..      | ..    |           |                                       |       |           |

## R. W. GREEF &amp; CO.

INCORPORATED

78 Front Street, New York, N. Y.

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SODIUM  
SULPHIDEFused and Broken  
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BENZOLSSPECIALLY FRACTIONATED  
COAL TAR SOLVENTSfor  
Vegetable Oil Extraction

The Barrett Company

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Coast to Coast Producing Points!

## Chemicals

|   |      |      |                                      |      |      |   |      |      |
|---|------|------|--------------------------------------|------|------|---|------|------|
| <b>XYLENE, 3° dist range, nitration</b>       |      |      | <b>Oils</b>                          |      |      | <b>LARD OIL, Edible prime, bbls...</b>    |      |      |
| 110 gal. drs. wks. ....gal                    | .45  | .50  | Castor, No. 1, 400 lb bbls....lb     | .17  | .17½ | Off prime, bbls. ....lb                   | .17½ | .18½ |
| 110 gal. drs. NY.....gal                      | .50  | .55  | 80 lb cases .....lb                  | .18  | .18  | Extra, bbls. ....lb                       | .14½ | .14½ |
| <b>5° dist. range, 8000 gal. tanks</b>        |      |      | No. 3, bbls. ....lb                  | .16½ | .17  | Extra No. 1, bbls....lb                   | .12½ | .12½ |
| wks. ....gal                                  | .35  | .40  | Blown, 400 lb bbls. ....lb           | .18  | .18  | No. 1, bbls. ....lb                       | .12½ | .12½ |
| 110 gal. drs. wks. ....gal                    | .40  | .45  | China Wood, bbls., spot NY...lb      | .16½ | .17  | No. 2, bbls. ....lb                       | .11½ | .11½ |
| 10° dist. range, drums, wks. gal              | .35  | .40  | Tanks, Spot, NY.....lb               | .17  | .17  | <b>LINSEED, raw c/l bbls., spot...</b>    |      |      |
| Tanks, wks. ....gal                           | .25  | .26  | Nov., Dec. forw. arr. NY bbls. lb    | .15½ | .15½ | Five bbls., raw .....gal                  | 1.01 | 1.01 |
| Commercial 110 gal. drs., wks. gal            | .30  | .31  | Nov. forward, arrival NY tanks. lb   | .15½ | .15½ | Baled, 5 bbl. lots .....gal               | 1.06 | 1.06 |
| Tanks, wks. ....gal                           | .25  | .26  | Coast. tanks, Oct.....lb             | .15½ | .15½ | Double baled, 5 bbl. lots. gal            | 1.07 | 1.07 |
| <b>Xylidine</b> .....lb                       | .40  | .45  | Oct., ths., Nov., Dec. forw. lb      | .15½ | .15½ | Raw, c/l bbls. ....gal                    | 1.04 | 1.04 |
| <b>YARA YARA, 1 lb tins</b> .....lb           | 1.75 | 2.00 | Cocount Ceylon, 375 lb bbls., NY. lb | .10½ | .10½ | Tanks .....gal                            | .91  | .91  |
| <b>Yohimbin Hydrochloride, 1 oz. vial. oz</b> | 3.00 | 3.57 | 8000 gal. tanks, NY.....lb           | .10½ | .10½ | Oct., c/l wks. ....gal                    | .97  | .97  |
| <b>ZINC, METAL, high grade, slabs</b>         |      |      | Cochin, 375 lb bbls., NY.....lb      | .10½ | .11  | Nov., c/l wks. ....gal                    | .95  | .95  |
| c/l NY .....100 lb                            | 8.25 | 8.25 | Tanks, NY .....lb                    | .09½ | .09½ | Dec., Apr., c/l wks. ....gal              | .94  | .94  |
| Common Slabs, c/NY .....lb                    | 6.55 | 6.55 | Mardia tanks, P. Coast.....lb        | .08½ | .09  | Imported, bbls., NY .....gal              | .94  | .94  |
| Mossy, 25 lb bbs NY.....lb                    | .14  | .14  | Edible, bbls., NY .....lb            | .11½ | .11½ | Tanks, NY .....gal                        | .94  | .94  |
| Ammonium Chloride, powd., 400 lb bbls.        | .07½ | .08  | Cod Newfoundland, 50 gal. bbls. gal  | .62  | .65  | Menhaden, crude bbls., wks. ....gal       | .55  | .55  |
| Carb. tech. 150 lb kegs NY.....lb             | .20  | .20  | Tanks, NY .....lb                    | .55  | .57  | Crude, tanks, Balt. ....gal               | .52½ | .55  |
| USP, 100 lb kegs .....lb                      | .33  | .33  | Copra, bags .....lb                  | .06  | .06½ | Light strained, bbls., NY.....gal         | .68  | .70  |
| Chloride, fused, 600 lb drs. wks. lb          | .06  | .06  | Corn, ref., 375 lb bbls., NY.....lb  | .12½ | .12½ | Yellow bleached, bbls., NY.....gal        | .71  | .72  |
| Dr. c/l wks. ....lb                           | .04½ | .05  | Crude, tanks mills .....lb           | .09½ | .09½ | Extra bleached, bbls., NY.....gal         | .73  | .74  |
| Granulated, 500 lb bbls. wks. lb              | .07  | .07½ | Bbls., NY .....lb                    | .11½ | .11½ | Blown, bbls., NY .....gal                 | .73  | .74  |
| Imported, drs. NY .....lb                     | .08  | .08½ | Cottonseed, crude, ths., mill. lb    | .09½ | .09½ | Neatsfoot, 20° c.t. bbls., NY. lb         | .17½ | .17½ |
| Solution, 50% tanks wks. 100 lb               | 2.25 | 2.50 | P. S. Y., 100 bbls., NY.....lb       | .11½ | .11½ | Pure, bbls., NY .....lb                   | .15½ | .15½ |
| USP, 25 lb jars .....lb                       | .27  | .29  | White, 100 bbls. lots, NY. lb        | .13  | .13  | Extra, bbls., NY .....lb                  | .12  | .12  |
| Cyanide, 100 lb drs. ....lb                   | .40  | .41  | Winter yellow, 100 bbls., NY. lb     | .04½ | .04½ | No. 1, bbls., NY .....lb                  | .11  | .11  |
| Dust, 100 lb tins wks. ....lb                 | .09½ | .10  | Degras, Amer. 50 gal. bbls., NY. lb  | .05½ | .05½ | Oleo Oil, No. 1, bbls., NY.....lb         | .19½ | .19½ |
| 500 lb bbls., kegs, c/l wks. lb               | .09½ | .09½ | English, light, bbls., NY .....lb    | .04½ | .04½ | No. 2, bbls., NY .....lb                  | .15½ | .15½ |
| 500 lb bbls., kegs, c/l wks. lb               | .08½ | .08½ | Brown, bbls., NY .....lb             | .04½ | .04½ | No. 3, bbls., NY .....lb                  | .14  | .14  |
| Iodide, 5 lb bota. ....lb                     | 5.28 | 5.28 | Light brown, bbls., NY. lb           | .04½ | .04½ | <b>OLIVE, denatured bbls., NY.....gal</b> | 1.25 | 1.30 |
| Nitrate, 25 lb jars .....lb                   | .45  | .45  | Dark, bbls., NY .....lb              | .03½ | .04  | Edible, bbls., NY .....gal                | 2.15 | 2.25 |
| Oxide, Amer. 300 lb bbls. wks. lb             | .08½ | .08½ | Neutral, bbls., NY .....lb           | .10  | Nom. | Foots, bbls., NY .....gal                 | .09½ | .09½ |
| French, 300 lb bbls wks. ....lb               | .10½ | .12½ | Moellon, bbls., NY .....gal          | .50  | .50  | Shipments .....lb                         | .09½ | .09½ |
| Bbl c/l wks. ....lb                           | .08½ | .11½ | Greases, choice white, bbls., NY. lb | .13½ | .13½ | Palm Lages, 1500 lb casks....lb           | .08½ | .08½ |
| Bags, c/l wks. ....lb                         | .09½ | .10½ | Yellow .....lb                       | .07½ | .08  | Niger casks .....lb                       | .08½ | .08½ |
| USP, 100 lb bbls., c/l.....lb                 | .17  | .17  | Brown .....lb                        | .07½ | .07½ | Bonny old Calabar, casks....lb            | Nom. | Nom. |
| Ten lots, wks. ....lb                         | .18  | .18  | House .....lb                        | .07½ | .07½ | <b>Palm Kernel, bbls., NY.....lb</b>      | .09½ | .10½ |
| Imported, white seal, bbls. ....lb            | .12  | .12  | Bone naphtha .....lb                 | .06½ | .06½ | Peanut, refined, bbls., NY ....lb         | .17  | .17½ |
| Green seal, bbls. ....lb                      | .10  | .10  | Herring, Tanks, Coast .....gal       | Nom. | Nom. | Crude, mills buyers' ths. ....lb          | .17  | .17½ |
| USP 100 lb bbls. ....lb                       | .19½ | .19½ | Horse, 375 lb bbls., NY.....lb       | .17  | .17  | Crude, bbls., NY.....lb                   | .14½ | .14½ |
| Stearate, USP, 50 lb bbls. ....lb             | .18½ | .19  | Lard, prime steam bbls. ....lb       | .13½ | .13½ | Perilla, bbls., NY.....lb                 | 2.25 | 2.50 |
| Sulfate, 400 lb bbls., wks. ....lb            | .03½ | .03½ | Compounds, bbls. ....lb              |      |      | Poppyseed, bbls., NY .....gal             | 2.25 | 2.50 |
| Bbls., c/l wks. ....lb                        | .08  | .09  |                                      |      |      |   |      |      |
| USP, 100 lb kegs .....lb                      | .30  | .33  |                                      |      |      |   |      |      |
| Sulfide, 500 lb. bbls. ....lb                 | .30  | .33  |                                      |      |      |   |      |      |
| Sulfocarbonate, 100 lb kegs....lb             | .32  | .34  |                                      |      |      |   |      |      |

**W. F. GEORGE CHEMICALS**

INCORPORATED

42 Broadway, New York City

Telephone Broad 5428

**Soda Ash**  
**Caustic Soda**  
**Sal Soda**  
**Glauber's Salt**  
**Tri Sodium Phosphate**  
**Sodium Bicarbonate**  
**Sodium Silicate**

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## What is said of our Services!

Messrs. Gebr. Waanning Tilly, from Haarlem (Holland) write to us on the 23rd of October, 1922:—

"We received through your Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietary Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trademark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y., U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled this and if there is any further business of this nature at any time that you can attend to, we will be glad to place it in your hands."

Messrs. Max Dornier G. m. b. H., from Solingen (Germany) write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further registrations will also be trusted to you."

**P. LODGE & CO.**

Patent and Trade Mark Agents

POST BOX NO. 6772

**CALCUTTA, INDIA**

## Oils and Fertilizers

|                                      |         |         |  |      |          |   |     |       |
|--------------------------------------|---------|---------|--|------|----------|---|-----|-------|
| Rapeseed, refined, bbls., NY.....gal | .92     | .93     | Ammon. Sulf., bulk wks.....100 lb      | 2.55 | 2.65     | Rosin Oil, first run, 50 gals. bbls.gal | ... | .40   |
| Blown bbls., NY, 8 lbs.....gal       | ...     | 1.00    | Double, bgs., f.a.s. NY.....100 lb     | 2.80 | 2.90     | Second run, bbl.....gal                 | ... | .42   |
| Red Oil, distilled, bbls.....lb      | .09 1/4 | .09 1/2 | Single bgs., wks.....100 lb            | ...  | 2.75     | Tar, kiln-burnt.....bbl                 | ... | 12.00 |
| Saponified, bbls.....lb              | .09 1/4 | .08 1/2 | NITRATE SODA, spot.....100 lb          | ...  | 2.40     | Retort.....bbl                          | ... | 12.00 |
| Tanks.....lb                         | ...     | .08 1/2 | Future, Oct.-June.....100 lb           | 2.40 | 2.42 1/2 |   |     |       |
| Salmon, 8000 gal. bbls. coast.....lb | ...     | .12 1/2 | Phosphate Rock, f.a.b. mines.....ton   | ...  | 2.25     |   |     |       |
| Sesame, edible bbls.....lb           | ...     | .40     | Florida Pebble, 68%.....ton            | ...  | 2.50     |   |     |       |
| Sod Oil, bbls., NY.....gal           | ...     | .10 1/2 | Florida Pebble, 70%.....ton            | ...  | 3.75     |   |     |       |
| SOYA BEAN, crude tks., Coast.....lb  | ...     | .11     | Florida Pebble, 75-74%.....ton         | ...  | 5.50     |   |     |       |
| Crude, Tks., SY.....lb               | ...     | .13     | Tennessee, 72%.....ton                 | ...  | 8.75     |   |     |       |
| Crude, bbls., NY.....lb              | ...     | .14     | Phosphate Acid, 16% Bulk wks.ton       | ...  | 34.55    |   |     |       |
| Refined, bbls., NY.....lb            | ...     | .86     | POTASH.....ton                         | ...  | 45.50    |   |     |       |
| Sperm, 38° e.t. bichd. bbls. NY.gal  | ...     | .84     | Pot. Murate, 80% basis, bgs/ton        | ...  | 26.35    |   |     |       |
| 45° cold test, bichd. bbls. NY.gal   | ...     | .10 1/2 | Pot. Sulfate, 90% basis, bgs, ton      | ...  | 17.03    |   |     |       |
| STEARIC ACID, s.p. 200 lb bags. lb   | ...     | .11 1/2 | Dbie. Manure Salts, 48% basis.....ton  | ...  | 10.55    |   |     |       |
| Double pressed, bags.....lb          | ...     | .11 1/2 | Manure Salts, 30% basis, bulk.ton      | ...  | 7.75     |   |     |       |
| Double pressed, bgs., saponified. lb | ...     | .12 1/2 | Manure Salts, 20% basis, bulk.ton      | ...  | ...      |   |     |       |
| Triple pressed, bgs., distilled. lb  | ...     | .12 1/2 | Kalinite, 12.4% basis, bulk.ton        | ...  | ...      |   |     |       |
| Triple pressed, bgs., saponified. lb | ...     | .12 1/2 | Bulk in bags, \$2.00 extra.            | ...  | ...      |   |     |       |
| Stearine, olive, bbls.....lb         | ...     | .08 1/2 | Prices c.i.f. Atlantic & Gulf Ports.   | ...  | ...      |   |     |       |
| Tallow, edible, tereos.....lb        | ...     | .09     | Discounts, 50 tons, 5%; 500 tons, 10%. | ...  | ...      |   |     |       |
| City, extra, loco.....lb             | ...     | .11     |  | ...  | ...      |   |     |       |
| Tallow Oil, acidless tks. NY.....lb  | ...     | .12 1/2 |  | ...  | ...      |   |     |       |
| Bbls., c/l NY.....lb                 | ...     | ...     |  | ...  | ...      |   |     |       |
| Walnut, crude bbls. NY.....gal       | ...     | .77     |  | ...  | ...      |   |     |       |
| Whale, nat winter bbls. NY.....gal   | ...     | .81     |  | ...  | ...      |   |     |       |
| Blehd. winter bbls. NY.....gal       | ...     | .83     |  | ...  | ...      |   |     |       |
| Extra Blehd. bbls. NY.....gal        | ...     | ...     |  | ...  | ...      |   |     |       |
| Crude, No. 1, tanks Coast.....gal    | ...     | ...     |  | ...  | ...      |   |     |       |
| Crude, No. 2, tanks Coast.....gal    | ...     | ...     |  | ...  | ...      |   |     |       |
| Crude, No. 3, tanks Coast.....gal    | ...     | ...     |  | ...  | ...      |   |     |       |

### Fertilizer Materials

|   |       |       |
|---|-------|-------|
| Blood, dried f.a.b., NY.....unit                        | ...   | 3.75  |
| Chicago.....unit  | 3.75  | 4.00  |
| Bone, 3 & 50 gr. steam, Chgo.....unit                   | 22.00 | 23.00 |
| Raw, NY.....ton   | ...   | 33.00 |
| Cyanamide, NY, basis.....unit                           | 1.65  | 1.75  |
| Fish Scrap, dried wks.....unit                          | 4.80  | 10    |
| Acid, Bulk 7 & 3 1/2, Deliv. Norfolk & Balt. basis.unit | 4.25  | 50    |
| Steamed Bone Meal, 3 & 50 Balt.ton                      | ...   | 26.00 |
| Tankage, ground, NY.....unit                            | 3.45  | 10    |
| High grade f.a.b. Chicago.....unit                      | 3.65  | 10    |

|  |     |       |
|--|-----|-------|
| POTASH.....ton                         | ... | 2.25  |
| Pot. Murate, 80% basis, bgs/ton        | ... | 34.55 |
| Pot. Sulfate, 90% basis, bgs, ton      | ... | 45.50 |
| Dbie. Manure Salts, 48% basis.....ton  | ... | 26.35 |
| Manure Salts, 30% basis, bulk.ton      | ... | 17.03 |
| Manure Salts, 20% basis, bulk.ton      | ... | 10.55 |
| Kalinite, 12.4% basis, bulk.ton        | ... | 7.75  |
| Bulk in bags, \$2.00 extra.            | ... | ...   |
| Prices c.i.f. Atlantic & Gulf Ports.   | ... | ...   |
| Discounts, 50 tons, 5%; 500 tons, 10%. | ... | ...   |

### Naval Stores

|  |     |      |
|--|-----|------|
| (Carloads ex-yard N. Y.)   |     |      |
| Spirits Turpentine, bbls.....gal   | ... | .90  |
| Wood Turpentine, stm. distd. bbls.gal  | ... | .80  |
| Destructive distilled, bbls.....gal  | ... | .68  |
| Pine Oil, stm. dist. bbls.....gal  | ... | .66  |
| Pitch, prime.....bbl   | ... | 6.00 |
| Rosins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.) |     |      |
| B.....280 lb   | ... | 6.75 |
| D.....280 lb   | ... | 6.75 |
| E.....280 lb   | ... | 6.75 |
| F.....280 lb   | ... | 6.75 |
| G.....280 lb   | ... | 6.75 |
| H.....280 lb   | ... | 6.75 |
| I.....280 lb   | ... | 6.75 |
| K.....280 lb   | ... | 6.75 |
| M.....280 lb   | ... | 6.75 |
| N.....280 lb   | ... | 7.00 |
| WG.....280 lb  | ... | 7.85 |
| WW.....280 lb  | ... | 8.50 |

### Dye and Tan Woods

|                                    |         |         |
|------------------------------------|---------|---------|
| Barwood, chips.....lb              | .04 1/2 | .05     |
| Camwood, chips.....lb              | .09     | .13     |
| Divi Divi, pods, bags.....ton      | 42.00   | 43.00   |
| Fustic, sticks.....ton             | 30.00   | 32.00   |
| Chips.....lb                       | .04     | .05     |
| Hemlock, bark.....ton              | ...     | 20.00   |
| Hyperic. chips.....lb              | .06 1/2 | .07     |
| LOGWOOD, sticks.....ton            | 23.00   | 27.00   |
| Chips 150 lb bags.....lb           | .03     | .03 1/2 |
| Mangrove bark, African.....ton     | ...     | Nom.    |
| Myrobalsars, bags, J1.....ton      | 46.00   | 48.00   |
| R1.....ton                         | 43.00   | 45.00   |
| J2.....ton                         | 34.00   | 36.00   |
| Nutgalls, see Cruda Drugs          |         |         |
| Oak bark, whole.....ton            | 20.00   | 23.00   |
| Ground.....ton                     | ...     | 25.00   |
| Quercitron bark, rough.....ton     | ...     | 10.00   |
| Ground.....ton                     | 20.00   | 25.00   |
| Sumac, Steily, 160 lb bags.....ton | 170.00  | 175.00  |
| Virginia, 150 lb bags.....ton      | 40.00   | 45.00   |
| Valonia Cups, 30-31% tan.....ton   | 32.00   | 33.00   |
| Beard, 42% tan, bgs.....ton        | 48.00   | 50.00   |
| Mixtures, 36% tan.....ton          | 37.00   | 38.00   |
| Wattle bark, bgs.....ton           | 37.00   | 39.00   |

### Extracts

Range of prices includes quality  
range for large quantity.

|                                   |     |     |
|-----------------------------------|-----|-----|
| Annatto, fine.....lb              | .28 | .30 |
| Archil, double 600 lb bbls.....lb | .13 | .14 |
| Triple, 600 lb bbls.....lb        | .16 | .17 |
| Conc., 600 lb bbls.....lb         | .18 | .20 |

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|                                       |      |      |
|---------------------------------------|------|------|
| Chestnut, clarified, 25% tka. wks. D  | .01% | .01% |
| Bbls., wks. .... D                    | .02% | .03  |
| Powd., 60% 100 lb bags, wks. D        | .05% | .05% |
| Decolorized, bags, wks. .... D        | .06% | .07  |
| Cadbeer, English .... D               | .18  | .20  |
| Cutch, Bangoon, 100 lb bales .... D   | .14  | .16  |
| Borneo, solid, 100 lb bales .... D    | .04% | .05% |
| Liquid, 450 lb bbls. .... D           | .07% | .11  |
| Tablets, 120 lb boxes .... D          | .13  | .14  |
| Flavine .... D                        | .95  | 1.00 |
| Fastic, solid 50 lb boxes .... D      | .20  | .22  |
| Crystals, 100 lb boxes .... D         | .20  | .22  |
| Liquid, 51°, 600 lb bbls. .... D      | .10  | .14  |
| Gall extract .... D                   | .16  | .18  |
| Gambler, 25% liq. 450 lb bbls. .... D | .12  | .14  |
| Common, 200 lb cases .... D           | .15  | .15% |
| Singapore cubes, 150 lb bags, .... D  | .23  | .25  |
| HEMATINE, Paste, 500 lb bbls. .... D  | .09% | .13  |
| Crystals, 400 lb bbls. .... D         | .12  | .20  |
| Hemlock, 25% 600 lb bbls. wks. D      | .03% | .03% |
| Hyperic, 51°, 600 lb bbls. .... D     | .16  | .18  |
| Indigo, Madras, bbls. .... D          | .85  | .90  |
| Manilla, bbls. .... D                 | ...  | 1.30 |
| Larch, 25%, 600 lb bbls., wks. .... D | .03% | .04  |
| Powd. 100 lb bags, wks. .... D        | .07  | .08  |
| Logwood, 51°, 600 lb bbls. .... D     | ...  | .09  |
| Lower grades, 400 lb bbls. .... D     | .07  | .08  |
| Solid, 50 lb boxes .... D             | .09  | .10  |
| Madder, Dutch .... D                  | .28  | .30  |
| Mangrove, 55% 400 lb bbls. .... D     | .04% | .05  |
| Myrobalsam, 25% liquid bbls. .... D   | .04  | .05  |
| 50% solid, 50 lb boxes .... D         | .05  | .05% |
| Oak, tanks, wks. .... D               | .04  | .04% |
| 23-25% liq. 600 lb bbls. wks. D       | .04% | .04% |
| Orange Orange, 51° liquid .... D      | .07  | .08  |
| Powd. 100 lb bags .... D              | .14  | .15  |

|                                      |      |      |
|--------------------------------------|------|------|
| Persian Berries .... D               | .27  | .30  |
| QUEBRACHO, 35% liquid tka. .... D    | .03  | .03% |
| 450 lb bbls. .... D                  | .03% | .04  |
| 35% bleaching, 450 lb bbls. .... D   | .04% | .05% |
| Solid 65% 100 lb bales .... D        | .03% | .04  |
| Clarified, bales .... D              | .04  | .04% |
| Quercitron, 51° 450 lb bbls. .... D  | .06  | .08  |
| Powdered, 100 lb boxes .... D        | .09  | .13  |
| Spruce, 25% liquid tanks wks. .... D | .01  | .01% |
| Powd. 50% 100 lb bags wks. .... D    | .02  | .02% |
| Sumac, liquid 450 lb bbls. .... D    | .06  | .07% |
| Stainless, 600 lb bbls. .... D       | .11  | .12  |

## DYERS' SUNDRIES

|   |      |      |
|---|------|------|
| Albumen, technical, egg 200 lb cs. .... D   | ...  | 1.30 |
| Blood, 100 lb drs. .... D                   | .45  | .50  |
| Egg Yolk, Spray, 150 lb cs. .... D          | .45  | .65  |
| British Gum, 140 lb bags c/l 100 lb .... D  | ...  | 4.82 |
| Bags, c/l .... D                            | ...  | 4.92 |
| Dextrin, corn 140 lb bags c/l 100 lb .... D | ...  | 4.52 |
| Bags, c/l .... D                            | ...  | 4.62 |
| Yellow, bags c/l .... D                     | ...  | 4.57 |
| Bags, c/l .... D                            | ...  | 4.67 |
| Potato 220 lb bags c/l .... D               | ...  | .08  |
| Bags, c/l .... D                            | ...  | .08% |
| Yellow, 220 lb bags .... D                  | ...  | .07% |
| Tapioca, 200 lb bags, 1c/l .... D           | .09  | .09% |
| Prussian blue .... D                        | .35  | .40  |
| Sago Flour, 150 lb bags .... D              | ...  | .03% |
| STARCH, powd. 140 lb bgs. c/l 100 lb .... D | ...  | 3.97 |
| Bags, 1c/l .... D                           | ...  | 4.07 |
| Pearl, 140 lb bags c/l .... D               | ...  | 3.87 |
| Bags, 1c/l .... D                           | ...  | 3.97 |
| Potato, domestic, 200 lb bags .... D        | .05% | .06  |
| Imported, bags duty paid .... D             | ...  | .06% |
| Tapioca Flour, high grade bags .... D       | .08  | .08% |
| Medium grade bags .... D                    | .03% | .05% |
| Low grade, bags .... D                      | .04  | .05  |
| Turkey Red Oil, bbls. .... D                | .11  | .12  |
| Yolk Oil, bbls. .... D                      | ...  | .35  |

## Crude Drugs

|                                      |      |       |
|--------------------------------------|------|-------|
| Accroides Gum, yel. .... D           | .18  | .20   |
| ACONITE Leaves, bales .... D         | .10  | .13   |
| Root, USP, bags .... D               | .35  | .37   |
| Agar Agar, 1, 200 lb bales .... D    | 1.55 | 1.60  |
| No. 2, bales .... D                  | ...  | 1.50  |
| No. 3 bales .... D                   | ...  | 1.35  |
| Agaric, white, cases .... D          | 2.40 | 2.50  |
| Almonds, bitter, bags bxs. .... D    | .60  | .65   |
| Sweet, bags .... D                   | .57  | .60   |
| Meal, tins, boxes .... D             | .24  | .26   |
| Aletris Root, bags .... D            | .43  | .44   |
| Alkanet Root, bags .... D            | .08  | .06%  |
| Aloe, Barbadoes, 120 lb bbls. .... D | .65  | .70   |
| Cape, 400 lb cases .... D            | .09  | .09%  |
| Curacao, 100 lb cases .... D         | .10% | .11   |
| Socotrine, whole 100 lb cs. .... D   | .30  | .32   |
| Select, cakes, lb .... D             | .35  | .37   |
| Althea Root, cut cases .... D        | .22  | .24   |
| Whole bags .... D                    | .08  | .09   |
| Ambergris, black boxes .... D        | 8.00 | 10.00 |
| Grey, boxes .... D                   | ...  | 26.00 |
| Ammoniac, tears, bags .... D         | .68  | .73   |
| Angelica Root, dom. bags .... D      | .12  | .13   |
| Angostura Bark, bags .... D          | ...  | ...   |
| Anise, Levant bags .... D            | .15  | .16   |
| Russian, bags .... D                 | .13  | .14   |
| Star, cases .... D                   | .11  | .11%  |
| Spanish, bags .... D                 | .14% | .15   |
| Anatto Seed, 200 lb bags .... D      | .22  | .23   |
| ARABIC GUM, .... D                   | ...  | ...   |
| White, No. 1, 200 lb bags .... D     | .26  | .27   |
| Seconds, 250 lb bags .... D          | .24  | .25   |
| Sorts, amber, 200 bgs. bbls. .... D  | .11% | .12   |
| Powd., USP, 300 lb bbls. .... D      | .18  | .20   |
| Areca Nuts, 150 lb bags .... D       | ...  | ...   |
| Powd., 200 lb bbls. .... D           | .14  | .15   |
| Arnica Flowers, bales .... D         | .08  | .08%  |
| Root, bags .... D                    | .25  | .30   |
| Arrowroot, Amer., powd. bbls. .... D | .10% | .11   |
| St. Vincent, powd. bbls. .... D      | .14% | .15   |
| Asafetida, USP, 250 lb cases .... D  | .20  | .22   |
| Powd., 50 lb bxs. .... D             | .35  | .36   |
| CALM GILEAD BUDS, bags .... D        | .40  | .45   |
| Balmory Herbs, bales .... D          | ...  | .14   |

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## Crude Drugs

| BALSAMS                             |     |         |         |                                      |   |         |         |                                       |    |         |         |
|-------------------------------------|-----|---------|---------|--------------------------------------|---|---------|---------|---------------------------------------|----|---------|---------|
| Copaiba, Para, 80 lb cs.....        | D   | .29     | .31     | Canella Alba Bark, bales.....        | D | .50     | .52     | Cinnamon, Ceylon, bales.....          | D  | .27     | .28     |
| South American, 80 lb cs.....       | D   | .37     | .39     | Cannabis, true Imp. bags.....        | D | ..      | ..      | Broken, bales.....                    | D  | .16     | .20     |
| Fir Canada, cans.....               | gal | 10.25   | 11.25   | American (no assay) bales.....       | D | .40     | .50     | Civet, Alyasia horns.....             | oz | 2.75    | 3.75    |
| Oregon, bbls., cans.....            | D   | .90     | 1.00    | USP.....                             | D | .70     | .85     | Clover Tops, bags.....                | D  | .18     | .20     |
| Peru, 120 lb cases.....             | D   | 1.75    | 1.80    | Cantharides, Chinese cases.....      | D | .95     | 1.00    | Cloves, Zanzibar, 135 lb bales.....   | D  | .26 1/2 | .27     |
| Tolu, 90 lb cases.....              | D   | .05 1/2 | .06     | Powdered, boxes.....                 | D | 1.15    | 1.20    | Ambonyas, bales.....                  | D  | .30     | .31     |
| Bamboo, Brier Root, bags.....       | D   | 1.90    | 2.00    | Cantharides, Russian, cases.....     | D | .90     | .95     | Penang, bales.....                    | D  | .40     | .43     |
| Barberry Bark, true bales.....      | D   | .11     | .13     | Powdered, boxes.....                 | D | 1.00    | 1.10    | Cochineal, USP, boxes.....            | D  | .34     | .35     |
| Root, bags.....                     | D   | ..      | ..      | Caraway Seed, African, bags.....     | D | .09 1/2 | .10     | Coca Leaves, Huancayo bags.....       | D  | ..      | ..      |
| Bayberry Bark, bales.....           | D   | .10     | .13     | Dutch, 11 lb bags.....               | D | .10     | .10 1/2 | Truxillo, bags.....                   | D  | ..      | ..      |
| Wax, bbls.....                      | D   | .21     | .23     | Cardamom, bleached, cases.....       | D | 1.75    | 2.00    | Cobosh Root, Black bags.....          | D  | .08     | .08 1/2 |
| Belladonna Leaves, bales.....       | D   | .25     | .26     | Decorated, cases.....                | D | 1.80    | 1.85    | Blue, bags.....                       | D  | .10     | .10 1/2 |
| Root, bags.....                     | D   | .11     | .12     | Green, grinding, bags.....           | D | 1.40    | 1.45    | Colchicum Root, bags.....             | D  | .07     | .08     |
| Bees Wax, white cases.....          | D   | .40     | .43     | Carruba Wax, Flor. bags.....         | D | .39     | .42     | Seed, bags.....                       | D  | .08 1/2 | .09     |
| Bitter Root, 100 lb bags.....       | D   | .28 1/2 | .28     | No. 1 N Country bags.....            | D | .34     | .36     | Colocynth, apples, cases, bales.....  | D  | ..      | ..      |
| Crude, bags.....                    | D   | .23     | .25     | No. 2 N Country bags.....            | D | .28     | .30     | Pulp, USP, bales.....                 | D  | .28     | .30     |
| Benzoin Gum, Siam, boxes.....       | D   | 1.30    | 1.35    | No. 3 Fatty Gray, bags.....          | D | .22     | .23     | Colombo Root, whole bags.....         | D  | .03     | .03 1/2 |
| Sumatra, 80 lb boxes.....           | D   | .23     | .24     | No. 3 Chalky, bags.....              | D | .22     | .23     | Coltsfoot Leaves, bags.....           | D  | .05     | .06     |
| Berberis Aquifolium Root, bags..... | D   | .14     | .15     | Cascara Amarga, 150 lb bales.....    | D | ..      | 2.50    | Comfrey Root, bags.....               | D  | .13     | .14     |
| Beth Root, bags.....                | D   | .28     | .30     | Cascara Sagrada, bales, 1920-22      | D | .21     | .23     | Condurango Root, bales.....           | D  | .19     | .22     |
| Bitter Root, 100 lb bags.....       | D   | .40     | .43     | bark.....                            | D | .18     | .20     | Conium Seeds, bags.....               | D  | .12     | .14     |
| Blackhaw Bark, root, bales.....     | D   | .34     | .36     | 1924 bark.....                       | D | .15     | .16     | Copaiba Balsam Para, see Balsams      | D  | ..      | ..      |
| Tree, bales.....                    | D   | .15     | .16     | Cascarilla Bark, quills bales.....   | D | ..      | ..      | Copal Gum.....                        | D  | .12     | .13     |
| Black Indian Root, 100 lb bags..... | D   | .40     | .43     | Siftings, bbls.....                  | D | ..      | ..      | Coriander Seed, Bombay bales.....     | D  | .06     | .06 1/2 |
| Blood Root, bags.....               | D   | .25     | .27     | Cassia Buds, 66 lb cases.....        | D | .12 1/2 | .13     | Morocco, bags.....                    | D  | .07     | .07 1/2 |
| Blueing Root, bags.....             | D   | .25     | .27     | China, Whole Rolls, cases.....       | D | .07 1/2 | .08     | Bleached, bags.....                   | D  | .10 1/2 | .11     |
| Boldo Leaves, bales.....            | D   | .20     | .21     | Saigon, assort. bales.....           | D | .30     | .31     | Corn Silk, bales.....                 | D  | .04 1/2 | .05 1/2 |
| Boneset Herb, bales.....            | D   | .08     | .09     | Cassia Fistula, baskets.....         | D | .09     | .10     | Cotton Root Bark, bales.....          | D  | .14     | .15     |
| Borage Flowers, bales.....          | D   | .17     | .20     | Castile Soap, USP, powd., 200 lb     | D | .27     | .28     | Cowhage, oz. tins.....                | oz | ..      | .50     |
| Bryonia Root, bags.....             | D   | .10     | .11     | bbls.....                            | D | .03     | .03 1/2 | Cramp Bark, so-called bales.....      | D  | .07     | .08     |
| BUCHU LEAVES, short, 250 lb         | D   | .76     | .78     | Castor Beans, bags.....              | D | 4.00    | 4.50    | True, bags.....                       | D  | .30     | .32     |
| bales.....                          | D   | .81     | .83     | Castoreum, 1 lb bot.....             | D | .11     | .12     | Cranesbill Root, bags.....            | D  | .16     | .18     |
| Less, bales.....                    | D   | ..      | ..      | Catechu Gum, bags.....               | D | .23     | .29     | CUBE BERRIES, XX bags.....            | D  | .60     | .65     |
| Long, bales.....                    | D   | ..      | ..      | Catnip Herb, bales.....              | D | .31 1/2 | .32     | Powdered, boxes.....                  | D  | .63     | .65     |
| Buckhorn Bark, bags.....            | D   | .05     | .05 1/2 | Celery Seed, 220 lb bags.....        | D | .10 1/2 | .11     | Culvers Root, bags.....               | D  | .22     | .23     |
| Burdock Root, bags.....             | D   | .18     | .18     | Ceratin Wax, white bags.....         | D | .08     | .10     | Cumin Seed, Levant bags.....          | D  | .20     | .22     |
| Burgundy Pitch, dom., 110 lb stands | D   | ..      | .05     | Yellow, 200 lb bags.....             | D | ..      | ..      | Mulla, bags.....                      | D  | .19     | .19 1/2 |
| Grass for net.....                  | D   | ..      | .15     | CHAMOMILE FLOWERS, Roman             | D | .40     | .42     | Morocco, bags.....                    | D  | .18     | .18 1/2 |
| Calabar Beans.....                  | D   | .14     | .15     | baies.....                           | D | .07     | .07 1/2 | Cuttlefish Bone, Trieste, straps..... | D  | ..      | .14     |
| Calamus Root, bleached cases.....   | D   | .33     | .35     | Hung. case bales.....                | D | .06     | .06 1/2 | Jewelers, large, straps.....          | D  | ..      | .25     |
| Unbleached, bags.....               | D   | .08     | .07     | Charcoal Willow, powd. bbls.....     | D | .04     | .05     | Small, straps.....                    | D  | ..      | .13 1/2 |
| Calendula Petals, imp. bales.....   | D   | .18     | .20     | Wood, powd. bbls.....                | D | .07     | .08     | French straps.....                    | D  | .13 1/2 | .14     |
| Callisaya Bark, bales, powd.....    | D   | .25     | .26     | Chestnut Bark, bags.....             | D | .06     | .06 1/2 | Powdered, boxes.....                  | D  | .13     | .14     |
| Camphor, see Chemicals.....         | D   | ..      | ..      | Herb, bales.....                     | D | ..      | ..      | Broken, boxes.....                    | D  | ..      | .07     |
| Canary Seed, Morocco bags.....      | D   | .07 1/2 | .08     | Chicle Gum, bags.....                | D | .10     | .12     | Damar Gum, 136 lb cases.....          | D  | .25     | .25 1/2 |
| South American, bags.....           | D   | .07     | .07 1/2 | Chiretta, bales.....                 | D | .48     | .50     | Damiana Leaves, bales.....            | D  | .13     | .14     |
| Candella Wax, bags.....             | D   | .23     | .25     | Cinchona Bark, red quills bales..... | D | .23     | .24     | Pandalion Root, Imp. bags.....        | D  | .40     | .45     |
|                                     |     |         |         | Broken, bales.....                   | D | ..      | ..      | Deer Tongue Leaves, bales.....        | D  | .09     | .09 1/2 |

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## Crude Drugs

|  |       |       |   |      |      |                                       |      |      |
|--|-------|-------|---|------|------|---------------------------------------|------|------|
| Digitalis Leaves, bales.....lb               | .07   | .08   | Grindella Robusta Herb, bales...lb            | .07% | .08% | LADY SLIPPER ROOT, bags...lb          | .50  | .55  |
| Dill Seed, bags.....lb                       | .06   | .07   | Guaiac Gum, 80 lb cases.....lb                | .42  | .44  | Larkspur Seed, bags.....lb            | ...  | ...  |
| Dogwood Bark, Jamaica bags...lb              | .10   | .11   | Guarana, tins, cases.....lb                   | .65  | .70  | Laurel Leaves, bales.....lb           | .04% | .05  |
| American, bales.....lb                       | .07   | .08   | GUM, see Arabic Gum, etc.                     |      |      | Lavender Flowers, ordinary...lb       | .22  | .26  |
| Doggrass Root, USP, cut bags...lb            | .10   | .11   |   |      |      | Selected.....lb                       | .30  | .40  |
| Dragons Blood, mass cases...lb               | .65   | .70   | HELLEBORE ROOT,                               |      |      | Per 100.....lb                        | 4.50 |      |
| Roots, boxes.....lb                          | .85   | .90   | Black, bbls.....lb                            | .08  | .10  | Lemon Peel, bags.....lb               | .08  | .09  |
| ECINACEA ROOT, bags.....lb                   | .31   | .32   | Powdered.....lb                               | .15  | .17  | Licorice Root, Russian, whole...lb    | .07  | .07% |
| Elecampane Root, bags.....lb                 | .09   | .10   | White, Powd., 250 lb bbls...lb                | .11  | .12  | Spanish, natural bales.....lb         | .08% | .09  |
| Elder Flowers, bags.....lb                   | .11   | .14   | Belonias Root, (unicorn false) bags.....lb    | .70  | .73  | Powdered, bbls.....lb                 | .09  | .09% |
| Elm Gum, 89 lb cases.....lb                  | .10   | .11   | Hemp Seed, Manchurian bags...lb               | .03% | .04  | Selected, 2 & 3 lb bundles...lb       | .14  | .17  |
| Elm Bark, select 5 lb bundles cases.....lb   | .26   | .27   | Chillan, bags.....lb                          | .03% | .04  | Cuttings, 125 lb bags.....lb          | .06  | .06% |
| Grinding, bags.....lb                        | .16   | .18   | Henbane Leaves, bales, USP...lb               | .27  | .29  | Greek, 150 lb bales.....lb            | .03  | .03% |
| Powdered, bbls.....lb                        | .23   | .25   | No assay.....lb                               | .26  | .27  | Life Everlasting Herbs, bales...lb    | .05  | .06  |
| ERGOT, 150-200 lb bags.....lb                | .31   | .32   | Henna Leaves, bales.....lb                    | .09% | .10  | Lime Juice, clarified bbls.....gal    | .60  | .65  |
| Euphorbia Pilulifera Herb, bags...lb         | .05   | .06   | Powdered.....lb                               | .12  | .13  | Linden Flowers, with leaves, bales lb | .10  | .11  |
| Euphorbia Gum, cases.....lb                  | .10   | .11   | Honey, Calif., 120 lb cases...lb              | .12% | .13  | Without Leaves, bales.....lb          | .17  | .18  |
| Powdered, boxes.....lb                       | .40   | .42   | Hops, N. Y. prime bales.....lb                | .28  | .30  | Liverwort Leaves, bales.....lb        | .19  | .20  |
| Fennel Seed, French, bags.....lb             | .10   | .10%  | Pacific Coast prime bales...lb                | .25  | .27  | Lobelia Herb, bales.....lb            | .25  | .27  |
| German, bags.....lb                          | .13   | .17   | Horchound Herb, bales.....lb                  | .10  | .11  | Lobelia Seed, bags.....lb             | .62  | .63  |
| Indian, bags.....lb                          | .07   | .07%  | Horsetail Rush, bags.....lb                   | ...  | .15  | Lovage Root, Imported, bags...lb      | .18  | .20  |
| Flax Seed, whole 180 lb bbls...ea            | 13.00 | 13.50 | India Gum, see Karaya                         |      |      | Lupulin, boxes.....lb                 | 1.15 | 1.20 |
| Ground, 180 lb bbls.....lb                   | .07%  | .08   | INSECT FLOWERS, open whole                    |      |      | Domestic.....lb                       | 1.15 | 1.20 |
| Foenugreek Seed, 200 lb bags...lb            | ...   | ...   | Bales.....lb                                  | .37  | .39  | Lycopodium, 88 lb es.....lb           | .34  | .35  |
| Fish Berries, 100-125 lb bags...lb           | .04%  | .05   | Closed whole, bales.....lb                    | .39  | .41  | NAGE, Siam, No. 1 cases.....lb        | .78  | .80  |
| Fringe Tree Bark, bags.....lb                | .20   | .21   | Powdered, pure 200 lb bbls...lb               | .46  | .48  | Banda, No. 1 cases.....lb             | .80  | .81  |
| Fumigating Pastilles, Black, 1 lb bxs.....lb | .17   | .18   | Flowers and Stems, 50 p.c. 200 lb bbls.....lb | .32  | .33  | Batavia, No. 2 cases.....lb           | .70  | .72  |
| Red, 1 lb, bxs.....lb                        | .17   | .18   | Ipecac Root, Cartagena, bags...lb             | 2.30 | 2.40 | West India, cases.....lb              | .66  | .68  |
| GALANGAL ROOT, bags.....lb                   | .07%  | .08   | Powdered, 200 lb bbls, bxs...lb               | 2.40 | 2.50 | Malva Flowers, blue bales.....lb      | .35  | .37  |
| Galbanum Gum, cases.....lb                   | .80   | .95   | Rio Whole, bags.....lb                        | 2.25 | 2.30 | Black, bales.....lb                   | .55  | .60  |
| Gambier Gum, bags.....lb                     | .15%  | .16   | Powdered, 200 lb bbls, bxs...lb               | 2.35 | 2.40 | Manna, large flake cases.....lb       | .77  | .79  |
| Gamboge Gum, 160 lb cases...lb               | .74   | .75   | Isinglass, American, 130 lb es...lb           | .75  | .80  | Small flake, cases.....lb             | .41  | .42  |
| Powdered, cases.....lb                       | .83   | .85   | Russian (Beluga) bxs, ctms...lb               | 4.00 | 4.50 | Sorts, cases.....lb                   | ...  | .30  |
| Gelsemium Root, bags.....lb                  | .11   | .11%  | JABORANDI LEAVES, bales.....lb                | .10  | .10% | Mandrake Root, bags.....lb            | .11  | .12  |
| Gentian Root, bags.....lb                    | .08%  | .09   | Jalap Root, whole, 150 lb bags...lb           | .29  | .35  | Mastic Gum, 120 lb cans.....lb        | .55  | .57  |
| Ginger, African, bags.....lb                 | .17   | .17%  | Powdered, USP, 250 lb bbls...lb               | .34  | .36  | Mezerion Bark, bags.....lb            | .11  | .12  |
| Jamaica, grinding, bags, bbls...lb           | .26   | .32   | Japan Wax, White bags.....lb                  | .16% | .17  | Matico Leaves, bales.....lb           | .12  | .13  |
| Japan, bags.....lb                           | .16%  | .17   | Job's Tears, white bags.....lb                | .15  | .16  | Marjoram Leaves, German bales...lb    | .17  | .23  |
| Cochin, ABC & Lemon, bags...lb               | .21%  | .22   | Juniper Berries, 125 lb bags...lb             | .04% | .04% | French, bales.....lb                  | .18  | .20  |
| Greengrass Root, cultivated, bags...lb       | 8.00  | 10.00 | KAMALA, boxes.....lb                          | 1.05 | 1.10 | Millet Seed, dom. yellow bags...lb    | .03% | .04  |
| Northwestern Wild, bags.....lb               | 12.00 | 14.00 | Karaya Gum, powdered, bbls...lb               | .10  | .18  | Montan Wax, crude bags.....lb         | .05% | .06  |
| Southern Wild, bags.....lb                   | 9.00  | 11.00 | Kava Kava Root, bags.....lb                   | .12  | .12% | Bleached.....lb                       | ...  | ...  |
| Golden Seal Root, bags.....lb                | 3.70  | 3.80  | Kino Gum, black cases.....lb                  | .50  | .55  | Moss, Iceland bales.....lb            | .07% | .08  |
| Powdered, boxes.....lb                       | 3.90  | 4.00  | Kola Nuts, 150 lb bags.....lb                 | .04% | .05  | Irish, bleached, bales.....lb         | .08% | .09  |
| Grains of Paradise, bags.....lb              | .15   | .16   | Koussou Flowers, bags.....lb                  | 1.50 | 1.75 | Selected, bales.....lb                | .10  | .10% |
|  |       |       |   |      |      | Mullein Flowers, tins.....lb          | .90  | 1.00 |

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|------------------------------------|---------|-----------|-------------------------------------|---------|-----------|-------------------------------------|---------|-----------|
| Musk, pods, Carabidae, fine.....   | 16.00   | : 17.00   | Patchouli Leaves, bales.....        | .18     | : .18     | Rosemary Flowers, cases bales...D   | .25     | : .28     |
| Tonguin.....                       | 22.00   | : 25.00   | Penzgroyal Herb, bales.....         | .08     | : .12     | Rose Petals, pale.....              | .22     | : .25     |
| Grain Cab.....                     | 35.00   | : 24.00   | Pepper, black Sing. bags.....       | .10 1/4 | : .12     | Rose.....                           | .65     | : .70     |
| Tonguin.....                       | 35.00   | : 35.00   | White, bags.....                    | .18 1/4 | : .19     | Rue Herb, bales.....                | .18     | : .22     |
| Synthetic, see Chemicals           |         |           | Peppers, red Momibasa, bags.....    | .10     | : .10 1/4 | SABADILLA SEED, bags.....           | .13     | : .14     |
| Musk Root, Russian bags.....       | 2.10    | : 2.35    | Cherries, bags.....                 | .14     | : .16     | Powder, bbls.....                   | .15     | : .16     |
| Mustard Seed, Bari brown bags..... | .12     | : .12 1/4 | Bombay, bags.....                   | .12     | : .14     | Saffron Flowers, Amer. bales....D   | .72     | : .75     |
| Bombay, brown.....                 | .09     | : .10     | Japan, bags.....                    | .22     | : .24     | Valencia, 1 lb cns.....             | 38.00   | : 40.00   |
| California, brown.....             | .11     | : .11 1/4 | Peppermint Leaves, imp. bales...D   | .22     | : .24     | Sage, Dalmatian bales.....          | .05     | : .05 1/2 |
| Yellow.....                        | .11     | : .11 1/4 | Cuts, bales.....                    | .12     | : .14     | Greek, bales.....                   | .04 1/2 | : .05     |
| Chinese yellow.....                | .05     | : .05 1/2 | Domestic leaf.....                  | .18     | : .19     | Spanish, bales.....                 | .03     | : .03 1/2 |
| English, yellow.....               | .10 1/2 | : .11     | Peru Balsam, see Balsams            |         |           | Sandalwood, chips bags.....         | .17     | : .18     |
| Dutch, yellow.....                 | .07 1/2 | : .08     | Pichi Leaves, bags.....             | .42     | : .47     | Ground, bags.....                   | .21     | : .22     |
| Danish, yellow.....                | .09     | : .09 1/2 | Pimento, select bags.....           | .08     | : .08 1/2 | Sarsaparilla Gum, 300 lb bbls...D   | .29     | : .30     |
| Myrrh Gum, select 200 lb c.....    | .24     | : .26     | Pink Root, true bags.....           | .80     | : .85     | Sarsaparilla Root Honduras, bales.D | .15     | : .17     |
| Sorts, cases.....                  | .20     | : .22     | Pitch, Burgundy, see Burgundy Pitch |         |           | Mexican, bales.....                 | .18     | : .19     |
| MUTGALLS, Chinese, bags.....       | .17     | : .18     | Pleurisy Root, bags.....            | .22     | : .22     | Sassafras Bark, ordinary bales...D  | .15     | : .17     |
| Alcemy, bags.....                  | .14     | : .15     | Plantain Leaves, bales.....         | .15     | : .15     | Select, bales.....                  | .28     | : .29     |
| Nutmegs, 110s cases.....           | .50     | : .51     | Poke Berries, bags.....             | .15     | : .15     | Savory Leaves, bales.....           | .06     | : .06 1/2 |
| 75s, 80s cases.....                | .54     | : .56     | Poke Root, bags.....                | .08     | : .09     | Saw Palmetto Berries, bags.....     | .09     | : .10     |
| Nux Vomica Buttons, bags.....      | .04 1/2 | : .05 1/4 | Pomegranate Bark, of root bags...D  | .30     | : .30     | Scammony Root, boxes.....           | 1.25    | : 1.35    |
| Powdered, 200 lb bbls.....         | .08     | : .09     | Of Fruit, bags.....                 | .30     | : .30     | Scammony Root, bags.....            | .06 1/2 | : .07     |
| BAK BARK, red bags.....            | .03     | : .04     | Of Tree.....                        | .30     | : .30     | Senega Root, bags.....              | .57     | : .59     |
| White bags.....                    | .06     | : .07     | Poppy Flowers, red bags.....        | .25     | : .28     | SENNA, Alex 150 lb cases.....       | .21     | : .23     |
| Oilbanum Gum, sft 280 lb cases.D   | .10     | : .10 1/2 | Poppy seeds, Dutch, bags.....       | .12     | : .12 1/2 | Half Leaf, 350 lb bales.....        | .18     | : .15     |
| Teas, 280 lb cases.....            | .12     | : .12 1/2 | German, bags.....                   | .11     | : .12     | Sittings, 400 lb bales.....         | .10     | : .11     |
| No. 1, all white 280 lb cases..... | .22     | : .23     | Turkish, bags.....                  | .07     | : .07 1/2 | Powdered, 200 lb bbls.....          | .14     | : .14 1/2 |
| Opium, gum, USP, cases.....        | 12.00   | : 13.00   | Blue Indian, bags.....              | .09     | : .09 1/2 | Timmerville, job 350 lb bbls.....   | .11     | : .14 1/2 |
| Granular, cans.....                | 13.00   | : 14.00   | White Indian, bags.....             | .08     | : .08 1/2 | Grinding, 350 lb bales.....         | .05     | : .07     |
| Powdered, USP, cans.....           | 13.00   | : 14.00   | Prickly Ash Bark, Southern, bags.D  | .24     | : .26     | Powdered, 200 lb bbls.....          | .08     | : .09     |
| Orange Flowers, cases.....         | .80     | : 1.00    | Northern, bags.....                 | .14     | : .16     | Pods, 350 lb bales.....             | .15     | : .17     |
| Orange Peel, bitter, bags.....     | .07 1/2 | : .07 3/4 | Prickly Ash Berries, bags.....      | .14     | : .16     | Serpentaria Root, bags.....         | .85     | : .86     |
| Sweet, bags.....                   | .10     | : .11     | Prince's Pine, bales.....           | .25     | : .30     | Shellac, D.C., bags.....            | .77     | : .79     |
| ORRIS ROOT Florentine bold bags.D  | .07     | : .08     | Pulsatilla Herb, bags.....          | .16     | : .18     | V.S.O. bags.....                    | .77     | : .79     |
| Powdered, 200 lb bbls.....         | .09     | : .09 1/2 | Pumpkin Seed, bags.....             | .18     | : .20     | Diamond I. bags.....                | .77     | : .79     |
| Verona, bags.....                  | .05     | : .06     | QUASSIA CHIPS, bags.....            | .07     | : .07 1/2 | Superfine, Orange, bags.....        | .66     | : .67     |
| Powdered, 200 lb bbls.....         | .07 1/2 | : .09     | Queen of the Meadow Herb, bags.D    | .75     | : .85     | Fine, bags.....                     | .65     | : .66     |
| Fingers, cans.....                 | .50     | : .55     | Quince Seed, bags.....              | .05     | : .05 1/2 | T.N. bags.....                      | .62     | : .63     |
| Gzokerite Wax, brown hard bags.D   | .22     | : .24     | HAPE SEED, South Amer. bags...D     | .05     | : .05 1/2 | Garret, A. C.....                   | .57     | : .58     |
| Refined, yellow bags.....          | .27     | : .28     | Dutch, bags.....                    | .05     | : .05 1/2 | Rutton, bags.....                   | .74     | : .75     |
| PAPRIKA, bags.....                 | .20     | : .27 1/2 | Japanese, small, boxes.....         | .05 1/2 | : .06     | Bleached, ground, bbls.....         | .61     | : .63     |
| Hungarian.....                     | .26     | : .28     | Raspberries, dried boxes.....       | .56     | : .60     | Bone Dry, bbls.....                 | .73     | : .74     |
| Parella Brava Root, bags.....      | .13     | : .14     | Red Saunders.....                   | .17     | : .19     | Simaruba Bark, bales.....           | .07     | : .08     |
| Parsley Seed, bags.....            | .09     | : .10     | Rhatany Root, bags.....             | .09     | : .10     | Sideritis Herb, cut bags.....       | .15     | : .18     |
|                                    |         |           | RHUBARB, Root, H.D., cases.....     | .35     | : .37     | Skulleap Leaves, Eastern, bales...D | .65     | : .70     |
|                                    |         |           | Powdered, 200 lb bags.....          | .40     | : .42     | Western, bales.....                 | .34     | : .38     |
|                                    |         |           | Rosemary Leaves, bales.....         | .04 1/2 | : .05     | Stoe Berries, bags.....             | .03     | : .04     |

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## Crude Drugs

|                                       |      |        |
|---------------------------------------|------|--------|
| Snake Root, Canada natural bags..lb   | .45  | : .50  |
| Stripped, bags .....                  | .50  | : .65  |
| <b>SOAP BARK, whole, 150-200 lb</b>   |      |        |
| bales .....                           | .08  | : .08½ |
| Cut, 125-175 lb bags .....            | .09¼ | : .10  |
| Crushed, 200 lb bbls. ....            | .10  | : .10½ |
| Powdered, 200 lb bbls. ....           | .12  | : .13  |
| Spearminet Leaves, American bales..lb | .15  | : .22  |
| Spermaceti, blocks, cakes, cases..lb  | .43  | : .45  |
| Spikenard Root, bags .....            | .23  | : .24  |
| Spruce Gum, boxes .....               | 1.00 | : 1.50 |
| Squaw Vine, bales .....               | .18  | : .20  |
| Squills, white .....                  | .04½ | : .05  |
| Powdered, bulk .....                  | .35  | : .40  |
| Stavesacre Seed, bags .....           | ..   | ..     |
| Sticklac, Siam, 250 lb bales.....lb   | .44  | : .46  |
| Stillings Root, bags .....            | .11¾ | : .12  |
| Stone Root, bags .....                | .09  | : .10  |
| Storax, liquid artif. ....            | .70  | : .75  |
| Gen. USP .....                        | .90  | : 1.00 |
| St. Ignatius Beans, bags .....        | .12  | : .13  |
| St. John's Bread, bags .....          | .03  | : .05  |
| Stramonium Leaves, bales.....lb       | .06¾ | : .07½ |
| Stramonium Seed, bags .....           | .12  | : .13  |
| Strophanthus Seed, Hispidus.....lb    | .43  | : .44  |
| Kombe, bags .....                     | .43  | : .45  |
| Sunflower Seed, domestic bags....lb   | .06  | : .06½ |
| South American, bags .....            | .05  | : .05½ |
| <b>TAGALDER BARK, bags .....</b>      |      |        |
| Tamarinds, bbls. ....                 | .05  | : .06  |
| Kega .....                            | ..   | : 3.50 |
| Tansy Herb, bales .....               | .18  | : .19  |
| Tar, Barbados, 50 gal. bbls....gal    | 1.40 | : 1.50 |
| Thus Gum, 280 lb bbls. ....           | ..   | ..     |
| Thyme, Spanish bales .....            | .05¾ | : .06¾ |
| French, bales .....                   | .08  | : .08½ |
| Tilla, See Linder                     | ..   | ..     |
| Tolu Balsam, see Balsam               | ..   | ..     |
| Tonga Bark, bags .....                | .27  | : .29  |
| Tonka Beans, Angostura, cases.....lb  | 2.15 | : 2.25 |
| Para, cases .....                     | .75  | : .80  |
| Surinam, cases .....                  | ..   | ..     |

|  |       |         |
|--|-------|---------|
| Tragacanth Gum, No. 1, ribbon          | 1.15  | : 1.20  |
| 160 lb cs. ....                        | .90   | : 1.16  |
| No. 2 to No. 6, cases.....lb           | .80   | : .82   |
| Powdered, 50 lb boxes .....            | .70   | : .85   |
| Turkish, cases .....                   | .12¾  | : .13   |
| Turmeric Root, Madras bags.....lb      | .10¾  | : .11   |
| Alepp, bags .....                      | .12   | : .13   |
| China, bags .....                      | .09   | : .09½  |
| Turpentine, Venice, true 80 lb cs..lb  | .15   | : .16   |
| Artificial, 80 lb cases.....lb         | .11   | : .12   |
| Spirits, see Nal Stores                | ..    | ..      |
| <b>UNICORN ROOT, false, see Heloni</b> |       |         |
| True, see Aletris                      | ..    | ..      |
| Uva Ursi Leaves, bales .....           | .04¾  | : .05   |
| VALERIAN ROOT, Belgian bags.....lb     | .09¾  | : .10   |
| Vanilla Beans Mex. whole cases..lb     | 11.50 | : 12.00 |
| Cuts, cases .....                      | 10.00 | : 11.00 |
| Bourbon, cases .....                   | 10.00 | : 11.00 |
| South American, cases .....            | 7.00  | : 7.50  |
| Tabiti, yellow label cases.....lb      | ..    | ..      |
| Green Label, cases .....               | .25   | : .26   |
| Vetivert Root, 100 lb bags.....lb      | .80   | : .85   |
| Violet-Flowers, bags .....             | .80   | : .85   |
| WAHOO BARK, of root bags.....lb        | .40   | : .42   |
| Of Tree, bags .....                    | .07½  | : .08   |
| White Pine Bark, rosed, bags.....lb    | .06   | : .07   |
| White Poplar Bark, bags .....          | .12   | : .13   |
| Wild Cherry Bark, thin green           | ..    | ..      |
| Rosed, bales .....                     | .08   | : .09   |
| Thick Rosed, bales .....               | .08½  | : .09½  |
| Thin Natural, bales .....              | .05   | : .06   |
| Thick Natural, bales .....             | ..    | : .06   |
| Willow, bark bags .....                | .15   | : .16   |
| White, bags .....                      | .07   | : .08   |
| Witch Hazel Bark, bgs.....lb           | .07½  | : .08   |
| Witch Hazel Leaves, bales.....lb       | .08½  | : .09   |
| Worm Seed, American bags.....lb        | 2.75  | : 3.00  |
| Levant, bags .....                     | ..    | ..      |
| Wormwood Herb, imported bales....lb    | .04   | : .04½  |
| Yacca Gum, red .....                   | .05¾  | : .06½  |
| Ground .....                           | .12   | : .14   |
| YELLOW DOCK ROOT, bags.....lb          | .16   | : .17   |
| Yellow Parilla Root, bags.....lb       | .09   | : .09½  |
| Yerba Santa, bags .....                | .11   | : .12   |
| Zedoary Root, bags .....               | ..    | ..      |

## Essential Oils

|                                       |       |         |
|---------------------------------------|-------|---------|
| Almond Bitter USP, 5 lb bot....lb     | 3.15  | : 3.25  |
| Bitter ff PA 5 lb bots.....lb         | 3.25  | : 3.50  |
| Sweet, 56 lb cans .....               | .40   | : .41   |
| Peach Kernel, 55 lb tins.....lb       | .24   | : .25   |
| Apricot, see Peach Kernel             | ..    | ..      |
| Amber, crude 25 lb tins.....lb        | .70   | : .75   |
| Rectified, 25 lb tins.....lb          | .90   | : .95   |
| Angelica Root, 1 lb bot.....lb        | 32.00 | : 36.00 |
| ANISE, Tech., 66 lb case.....lb       | .50   | : .52   |
| USP, 50 lb tins .....                 | .52   | : .54   |
| Bay, 25 lb tins .....                 | 2.20  | : 2.30  |
| Bergamot, 25 lb coppers .....         | 3.35  | : 3.45  |
| Artificial, 25 lb cans .....          | 2.20  | : 2.35  |
| Birch Tar, rect. 5 lb bot.....lb      | .75   | : .80   |
| Crude, 50 lb tins.....lb              | .30   | : .50   |
| Bois de Rose, 25 lb tins.....lb       | 4.50  | : 4.75  |
| Cade, 25 lb cans .....                | .35   | : .40   |
| Calajut, native, 50 lb tins.....lb    | .75   | : .80   |
| Calamus, 5 lb bot.....lb              | 4.20  | : 4.65  |
| Camphor, heavy, 1000 lb drums.....lb  | .14½  | : .15   |
| Japanese, white, 72 lb cases.....lb   | .14   | : .14½  |
| White, 1000 lb drums .....            | .13½  | : .14   |
| Cananga, native 25 lb tins.....lb     | 2.00  | : 2.25  |
| Rectified, 25 lb tins .....           | 2.50  | : 3.00  |
| Caraway, USP .....                    | 4.00  | : 4.50  |
| Cardamom, USP, 1 lb bot.....lb        | 28.00 | : 30.00 |
| Carrol, 5 lb bot.....lb               | 14.00 | : 15.00 |
| CASSIA, 80-85 p.c. 400 lb drum.....lb | ..    | ..      |
| Redistilled, USP, 50 lb cans.....lb   | 2.80  | : 2.90  |
| Cedar Leaf, 50 lb tins .....          | .90   | : 1.00  |
| Cedar Wood, light 1000 lb drums..lb   | .62   | : .64   |
| Celery, 1 lb bot.....lb               | 10.00 | : 11.00 |
| Chaulmoogra, 80 lb cases.....lb       | .85   | : .90   |
| Cinnamon, Cerlon, 1 lb bot.....lb     | 11.00 | : 12.50 |
| Leaf, 5 lb bot.....lb                 | 1.40  | : 1.50  |
| <b>CITRONELLA, Ceylon</b>             |       |         |
| 1060 lb drums .....                   | .73   | : .80   |
| 50 lb tins .....                      | .78   | : .85   |
| Java, 400 lb drums.....lb             | ..    | ..      |
| 50 lb tins .....                      | .76   | : .83   |
| Cloves, USP, 50 lb cans.....lb        | 1.85  | : 1.99  |
| 8 lb bot.....lb                       | 1.95  | : 2.00  |

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## Essential Oils

|   |       |          |   |       |         |
|---|-------|----------|---|-------|---------|
| Copaiba, USP, 50 lb. tins.....          | .40   | : .42    | Pimento, 25 lb. tins.....                   | 2.00  | : 2.10  |
| Coriander, USP, 1 lb. bot.....          | 11.25 | : 11.75  | Pinus Sylvestris, 25 lb. tins.....          | ...   | : 1.40  |
| Croton, USP, 25 lb. tins.....           | .95   | : 1.00   | Pumilio, USP, 25 lb. tins.....              | ...   | : 2.25  |
| Cubeba, USP, 5 lb. bot.....             | 5.00  | : 5.25   | Roe, Fr., 8, 16 & 32 oz. pkgs. ea.          | ...   | : 9.00  |
| Cumina, 1 lb. bot.....                  | 11.50 | : 12.00  | Bulg., 8, 16 & 32 oz. pkgs. ea.             | 8.00  | : 9.00  |
| Dill, 1 lb. bot.....                    | 4.25  | : 4.50   | Artificial, 1 lb. bot.....                  | 2.00  | : 3.00  |
| Ergeron, 20 lb. tins.....               | 1.30  | : 1.40   | Rosemary, USP, 27 1/2 lb. tins.....         | .42   | : .46   |
| EUCALYPTUS, Austl. USP                  |       |          | 1000 lb. drums.....                         | .35   | : .40   |
| 56 lb. cts.....                         | .60   | : .62    | Tech., 27 1/2 lb. tins.....                 | .35   | : .40   |
| 500 lb. drums.....                      | .58   | : .60    | Rue, 1 lb. bot.....                         | ...   | : 4.25  |
| Fennel, USP, 25 lb. tins.....           | .90   | : 1.10   | Sandalwood, E. Ind. USP, 70 lb. cases.....  | 6.15  | : 6.25  |
| Geranium, Algerian, 25 lb. tins.....    | 7.75  | : 8.50   | W. Indian, (Amrys) 25 lb. tins.....         | 2.80  | : 2.90  |
| Bourbon, 25 lb. tins.....               | 7.25  | : 8.50   | Sassafras, USP, 50 lb. cans.....            | 1.30  | : 1.35  |
| Turkish, 25 lb. tins.....               | 4.25  | : 4.50   | Artificial, 1000 lb. drs., 60 lb. cans..... | .34   | : .36   |
| Ginger, 1 lb. bot.....                  | 8.00  | : 10.00  | Savin, 5 lb. tins.....                      | 2.35  | : 2.40  |
| Gingergrass, 25 lb. tins.....           | 2.75  | : 3.00   | Spearment, USP, 60 lb. cases.....           | 3.25  | : 3.50  |
| Hemlock, 50 lb. cans.....               | .90   | : 1.00   | Spruce, 50 lb. tins.....                    | .90   | : 1.00  |
| Juniper Berries, USP, 25 lb. tins.....  | 1.25  | : 1.30   | Tansy Amer., 25 lb. tins.....               | 2.75  | : 3.00  |
| Wood, 50 lb. tins.....                  | .50   | : .60    | Tar, 50 gal. bbls.....                      | .25   | : .26   |
| Lavender, USP, 25 lb. tins.....         | 5.50  | : 6.50   | Refined, USP, 25 lb. tins.....              | ...   | : ...   |
| Spike, Spanish, 50 lb. cans.....        | .83   | : 1.25   | Thyme, red, USP, 25 lb. tins.....           | .85   | : 1.00  |
| LEMONGRASS, Ital. USP, 25 lb. tins..... | .83   | : .90    | White, USP, 25 lb. tins.....                | 1.00  | : 1.10  |
| American, USP, 25 lb. tins.....         | .70   | : .75    | Tech., 110 lb. drums.....                   | .80   | : .85   |
| Lemongrass, native, 60 lb. cans.....    | .72   | : .85    | Vetiver, Bourbon 1 lb. bot.....             | 12.00 | : 14.00 |
| Limes, express, 25 lb. tins.....        | 2.40  | : 2.50   | Java, 1 lb. bot.....                        | 30.00 | : 32.00 |
| Distilled, 25 lb. tins.....             | 1.10  | : 1.15   | Wine, heavy 1 lb. bot.....                  | ...   | : 1.50  |
| Linaloe, Mex. 80 lb. cases.....         | 3.40  | : 3.60   |   |       |         |
| Mace, distilled, 50 lb. tins.....       | 1.25  | : 1.35   |   |       |         |
| Mirbane, ref., see Ar. Chemicals        |       |          |   |       |         |
| Mustard, USP, 1 lb. bot.....            | ...   | : 14.00  |   |       |         |
| Artif., USP, 1 lb. bot.....             | 9.00  | : 9.15   |   |       |         |
| Neroli, Bigarade, 1/4 & 1 lb. bot.....  | 40.00 | : 60.00  |   |       |         |
| Petale, 1 lb. bot.....                  | 90.00 | : 120.00 |   |       |         |
| Artificial, 1 lb. bot.....              | 10.00 | : 25.00  |   |       |         |
| Nutmeg, USP, 25 lb. tins.....           | 1.25  | : 1.35   |   |       |         |
| Orange, bitter, 25 lb. tins.....        | 2.60  | : 2.75   |   |       |         |
| Sweet, W. Ind., 25 lb. tins.....        | 2.35  | : 2.45   |   |       |         |
| Italian, 25 lb. cop.....                | 2.70  | : 2.90   |   |       |         |
| American, 25 lb. tins.....              | 3.00  | : 3.10   |   |       |         |
| Distilled, 25 lb. tins.....             | 1.50  | : 1.75   |   |       |         |
| Spanish, 25 lb. tins.....               | 2.45  | : 2.60   |   |       |         |
| Origanum, 50 lb. cans tech.....         | .34   | : .35    |   |       |         |
| Pansley, 1 lb. bot.....                 | 3.50  | : 4.00   |   |       |         |
| Patchouli, 5 lb. bot.....               | 4.50  | : 5.50   |   |       |         |
| Pennyroyal, dom. 25 lb. tins.....       | 2.00  | : 2.25   |   |       |         |
| Imported, 25 lb. tins.....              | 1.65  | : 1.70   |   |       |         |
| PEPPERMINT, nat., 60 lb. cases.....     | 5.60  | : 5.75   |   |       |         |
| Redis, USP, 60 lb. cases.....           | 6.00  | : 6.25   |   |       |         |
| Petit Grain, S. Am. 25 lb. tins.....    | 1.90  | : 1.95   |   |       |         |
| French, 1 lb. bot.....                  | 7.00  | : 8.00   |   |       |         |
| Italian, 25 lb. tins.....               | 2.25  | : 2.35   |   |       |         |

## Aromatic Chemicals

### NATURAL DERIVATIVES

|                                      |       |         |
|--------------------------------------|-------|---------|
| Anethol, 2 lb. bot.....              | 1.25  | : 1.75  |
| Borneol, 1 lb. bot.....              | ...   | : 3.50  |
| CITRAL, 25 lb. cans.....             | 2.75  | : 3.00  |
| Citronellal, 1 lb. bot.....          | 2.00  | : 2.25  |
| EUCALYPTOL, USP, 25 lb. cans.....    | ...   | : .80   |
| Eugenol, USP, 25 lb. cans.....       | 3.25  | : 3.50  |
| Geraniol, Domestic, 50 lb. cans..... | 2.75  | : 3.80  |
| Imported, 5 lb. bot.....             | 3.50  | : 4.25  |
| Iso-Eugenol, 1 lb. bot.....          | 4.50  | : 5.00  |
| Imported.....                        | 5.25  | : 6.25  |
| Linalol, 5 lb. bot.....              | 6.25  | : 7.50  |
| From Bois de Rose, 5 lb. bot.....    | 11.00 | : 12.75 |
| NENTHOL, 60 lb. cases.....           | ...   | : 13.25 |
| Less cases, 5 lb. cans.....          | ...   | : 13.50 |
| Rhodinol, 1 lb. bot.....             | 18.00 | : 21.00 |
| Extra, 1 lb. bot.....                | 40.00 | : 47.00 |
| SAFROL, 60 lb. cans.....             | .43   | : .45   |
| Thymol, USP, 25 lb. tins.....        | 5.00  | : 5.25  |

### SYNTHETIC AROMATICS

|   |       |         |
|---|-------|---------|
| Acetaldehyde, 50% sol. pure, 5 lb. bot..... | 1.75  | : 2.00  |
| Acetophenone CP, 1 lb. bot.....             | 4.25  | : 4.50  |
| Aldehyde C-8 (Octyl), 1 lb. bot.....        | 45.00 | : 60.00 |
| Aldehyde, C-9 (Nonyl), 1 lb. bot.....       | 70.00 | : 75.00 |
| Aldehyde, C-10 (Decyl), 1 lb. bot.....      | 50.00 | : 58.00 |
| Aldehyde, C-12 (Dodecyl), 1 lb. bot.....    | 27.50 | : 32.50 |
| Aldehyde, C-14, 1 lb. bot.....              | 22.50 | : 25.00 |
| Aldehyde, C-16, 1 lb. bot.....              | 70.00 | : 80.00 |
| Aubepine, see Anisic Aldehyde               |       |         |
| Amyl Acetate, pure 5 gal. cans.....         | 4.00  | : 4.25  |
| Amyl Butyrate, 1 lb. bot.....               | 1.75  | : 2.00  |
| Amyl Cinnamate, 1 lb. bot.....              | 4.00  | : 4.50  |
| Amyl Formate, 1 lb. bot.....                | 1.50  | : 1.75  |
| Amyl Phenyl Acetate, 1 lb. bot.....         | 4.50  | : 5.00  |
| AMYL SALICYLATE, dom. 100 lb. chys.....     | 1.45  | : 1.50  |
| Imported.....                               | 2.25  | : 2.50  |
| Amyl Valerate, 5 lb. bot.....               | 4.75  | : 5.00  |
| Anisic Aldehyde, 1 lb. bot.....             | 3.75  | : 4.25  |
| BENZALDEHYDE, USP, 40 lb. chys.....         | 1.40  | : 1.50  |
| FFC, 40 lb. chys.....                       | 1.50  | : 1.65  |
| Benzole Ether, See Ethyl Benzoate           |       |         |
| Benzophenone, 1 lb. bot.....                | 6.75  | : 7.00  |
| Benzyl Acetate, 100 lb. chys.....           | 1.55  | : 1.75  |

### OLEORESINS

|                                    |       |         |
|------------------------------------|-------|---------|
| Aspidium, USP, 1 lb. bot.....      | 2.75  | : 3.00  |
| Capsicum, USP, 5 lb. bot.....      | 2.50  | : 2.75  |
| Ginger, 5 lb. bot.....             | 3.35  | : 3.60  |
| Cubeb, USP, 1 lb. bot.....         | 4.50  | : 4.75  |
| Malefern, See Aspidium             |       |         |
| Orris 1 lb. bot.....               | 15.00 | : 18.00 |
| Pepper, black, USP, 1 lb. bot..... | 3.50  | : 4.00  |
| Vanilla, 1 lb. bot.....            | 22.50 | : 25.00 |

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## Aromatic Chemicals

|  |       |       |   |       |       |   |       |       |
|--|-------|-------|---|-------|-------|---|-------|-------|
| Benzyl Alcohol, 5 lb bot.....          | 1.45  | 1.55  | Iso-Butyl Benzoate, 5 lb bot.....       | 4.75  | 5.00  | Skatol, 1 oz. bot.....                  | 7.00  | 7.25  |
| BENZYL BENZOATE, 5 lb bot.....         | 1.80  | 1.75  | Iso-Safrol, 1 lb bot. imported.....     | 5.00  | 5.25  | Terpinyl Acetate, 25 lb cans.....       | 1.65  | 1.85  |
| Medicinal FFC.....                     | 1.75  | 2.00  | Domestic, 5 lb bot.....                 | 4.00  | 4.25  | Imported, 25 lb cans.....               | 1.90  | 2.20  |
| Benzyl Butyrate, C.P., 1 lb bot.....   | 5.50  | 6.00  | Linalyl Acetate, 1 lb bot. Dom.....     | 8.00  | 9.50  | TERPINEOL, CP, 1000 lb drums.....       | .48   | .50   |
| Benzyl Cinnamate, 1 lb bot.....        | 10.00 | 10.50 | Imp., 1 lb bot.....                     | 8.00  | 8.50  | Cans, 50 lb.....                        | .53   | .57   |
| Benzyl Formate, 1 lb bot.....          | 3.00  | 3.25  | Linalyl Benzoate, 1 lb bot.....         | 13.00 | 14.00 | Absolute, 25 lb cans.....               | .90   | 1.15  |
| Benzyl Propionate, 1 lb bot.....       | 5.00  | 5.25  | Linalyl Formate, 5 lb bot.....          | 10.50 | 12.00 | Imported, 25 lb cans.....               | 1.00  | 1.10  |
| Bornyl Acetate, 1 lb bot.....          | 3.00  | 3.50  | Methyl Acetophenone.....                | 4.75  | 5.00  | VANILLIN, USP, 500 oz. cans.....        | ...   | .49½  |
| Bromstyrol, 25 lb kegs.....            | 3.00  | 4.00  | METHYL ANTHRANILATE dom.,               |       |       | Cans, 16 oz., 80 oz.....                | .50   | .51   |
| Butyl Anthranilate, 1 lb bot.dom.....  | ...   | 16.00 | 1 lb bot.....                           | 2.75  | 3.25  | Second Hands.....                       | .45   | .48   |
| Butyl Ether, See Ethyl Butyrate        |       |       | Imported.....                           | 4.50  | 5.00  | Valerianic Ether, See Ethyl Valerate    |       |       |
| Cinnamic Acid, 5 lb cans.....          | 3.00  | 3.25  | Methyl Benzoate, 5 lb bot. import.....  | 2.00  | 2.25  | Yara Yara, 1 lb cans.....               | 1.75  | 2.00  |
| Cinnamic Alcohol, liquid 1 lb bot..... | 9.00  | 9.50  | Domestic, 5 lb bot.....                 | 1.75  | 2.00  | PERFUMERS' SUNDRIES                     |       |       |
| Crystallizable.....                    | 9.50  | 10.00 | Methyl Cinnamate, 1 lb bot.....         | 3.50  | 3.75  | Almond Meal, 25 lb cans.....            | .28   | .30   |
| Cinnamic Aldehyde.....                 | 3.50  | 3.75  | Methyl Heptenone, 1 lb bot.....         | 8.00  | 8.25  | Ambergris, black, bxs.....              | 8.00  | 10.00 |
| CITRONELLOL, 1 lb bot.....             | 9.00  | 11.00 | Methyl Paracresol, 1 lb bot.....        | 8.00  | 9.00  | Ambergris, gray, bxs.....               | ...   | 26.00 |
| Imported, 1 lb bot.....                | 10.00 | 12.00 | Methyl Phenylacetate, 5 lb bot dom..... | 3.75  | 4.00  | Balsam Copaiba, Para, 80 lb cases.....  | .29   | .31   |
| Citronellyl Acetate, 1 lb bot.....     | 13.00 | 14.00 | METHYL SALICYLATE, USP 500 lb           |       |       | South American, 80 lb cases.....        | .37   | .39   |
| COUMARIN, 25 lb cans.....              | 3.25  | 3.45  | drums.....                              | ...   | .45   | Balsam Peru, 120 lb cases.....          | 1.75  | 1.80  |
| DIETHYL PHTHALATE, 25 lb cans.....     | .40   | .45   | 50 lb cases.....                        | ...   | .47   | Balsam Tolu, 90 lb cases.....           | 1.90  | 2.00  |
| 1000 lb dra.....                       | .35   | .40   | Second Hands.....                       | .44   | .45   | Benzoin Gum, Siam, bxs.....             | 1.30  | 1.35  |
| Diphenyl oxide, 25 lb tins.....        | .85   | .90   | Mirbane, rect., 1000 lb drums.....      | 12¼   | .14   | Castoreum, 1 lb bot.....                | 4.00  | 4.50  |
| Ethyl Acetate, pure, 5 lb bot.....     | .45   | .50   | Musk Ambrette, 1 lb cans.....           | 12.00 | 13.00 | Chalk, precip. light, 175 lb bbls.....  | .04½  | .05   |
| Ethyl Benzoate, 5 lb bot.....          | 1.85  | 2.00  | Musk Ketone, 5 lb cans.....             | 15.00 | 16.00 | Cherry Laurel Water, 5 gal cans.....    | 1.15  | 1.25  |
| Ethyl Butyrate, 5 lb bot.....          | 1.75  | 2.00  | Musk Xylene, 5 lb cans.....             | 3.75  | 3.90  | Civet Abyssin. horns.....               | 2.75  | 3.75  |
| Ethyl Caproate, 1 lb bot.....          | 3.25  | 3.50  | Nerolin, 1 lb cans.....                 | 1.65  | 2.00  | Labdanum, 5 lb bot.....                 | ...   | 8.00  |
| Ethyl Cinnamate, 1 lb bot.....         | 3.50  | 3.75  | Ornauthic Ether, 1 lb bot.....          | 1.50  | 2.00  | Lanolin hydrous, 350 lb bbls.....       | .15   | .21   |
| Ethyl Formate, 5 lb bot.....           | 2.00  | 2.10  | Phenylacetaldehyde, Dom.,               |       |       | Anhydrous, 350 lb bbls.....             | .18   | .23   |
| Ethyl-methyl Paracresol, 1 lb bot..... | 3.25  | 3.50  | 1 lb. bot. 50 p.c.....                  | 8.00  | 8.50  | Musk pods, Cabardine, tins.....         | 16.00 | 17.00 |
| Ethyl Phenylacetate, 5 lb bot.....     | 3.75  | 4.00  | Imported, 50 p.c.....                   | 7.50  | 8.00  | Tonquin, tins.....                      | 25.00 | 25.00 |
| Ethyl Propionate, 1 lb bot.....        | 2.25  | 2.50  | 80-85 p.c.....                          | 14.00 | 16.00 | Grains, Cabardine, tins.....            | 25.00 | 26.00 |
| Ethyl Valerate, 5 lb bot.....          | 4.50  | 4.75  | Phenylacetic Acid, 1 lb bot.....        | 3.00  | 3.25  | Tonquin, tins.....                      | 35.00 | 38.00 |
| Ethyl Salicylate, 5 lb bot.....        | 3.25  | 3.50  | Phenyl Diacetate, 1 oz. bot.....        | 3.25  | 3.50  | Synthetic, See Aromatic Chemicals       |       |       |
| Formic Ether. See Ethyl Formate        |       |       | PHENYLETHYLALCOHOL dom.,                |       |       | Orris Rt. Flor., powd. bbls.....        | .08½  | .09   |
| Geranyl Acetate, 1 lb bot.....         | 5.00  | 5.50  | 1 lb bot.....                           | 8.00  | 10.00 | Verona, bbls.....                       | .05   | .06   |
| Geranyl Butyrate, 1 lb bot.....        | 13.00 | 13.50 | Imported.....                           | 7.00  | 7.75  | Petrolatum, snow white-350 lb bbls..... | .12½  | .13   |
| Geranyl Formate, 1 lb bot.....         | 12.00 | 12.50 | Phenylethyl Butyrate, 1 lb bot.....     | 26.00 | 28.00 | Light Amber, 350 lb bbls.....           | .04½  | .05   |
| Heliotropin, dom., 100—10 lb.....      | 1.85  | 2.00  | Phenylethyl Formate, 1 lb bot.....      | 19.00 | 21.00 | Rice Starch, 140 lb bgs.....            | .09   | .10   |
| Imported.....                          | 2.25  | 2.50  | Phenylethyl Propionate, 1 lb bot.....   | 20.00 | 24.00 | Rose Water, 6 2-3 gal clys.....         | 1.00  | 1.25  |
| Hydroxycitronellal, 1 lb bot.....      | 12.00 | 14.00 | Phenylethyl Valerate, 1 lb bot.....     | 25.00 | 29.00 | Sandalwood chips, powd., bags.....      | .30   | .35   |
| Indol, CP, 1 oz. bot.....              | 6.00  | 6.50  | Phenylpropylalcohol, 1 lb bot.....      | 15.00 | 16.00 | Saponin, 5 lb tins.....                 | 1.25  | 1.50  |
| Isoeone, 1 lb bot. 100%.....           | 10.00 | 11.00 |   |       |       | Talc Italian, 220 lb bgs.....           | 60.00 | 80.00 |
| Alpha.....                             | 14.50 | 16.00 |   |       |       | Talc French, 220 lb bags.....           | 40.00 | 45.00 |
| Beta.....                              | 12.75 | 14.50 |   |       |       | Talc, domestic ref., 100 lb bags.....   | 14.00 | 15.00 |
| Methyl.....                            | 16.00 | 18.00 |   |       |       |   |       |       |

## METHYL ACETOPHENONE

Di Ethyl Phthalate  
Phenyl Acetic Acid  
Cinnamic Acid  
Geraniol  
Nutmeg  
True Fruit Flavors  
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# Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, Sept. 27 to Oct. 4

**ACIDS**—Coal Tar, 29 bbls., Merck & Co., Hull; Tartaric, 50 cks., W. Benkert & Co., Rotterdam

**ALBUMEN**—78 cs., D. L. Moss & Co., Shanghai; 40 cs., Importers Comm. Co., Shanghai; 47 cs., Stein Hall & Co., Shanghai; 33 cs., Equit. Eastern Bkg. Corp., Tientsin; 53 cs., Natl. Shawmut Bk. of Boston, Tientsin; 25 cs., French Kremer Co., Shanghai

**ALCOHOL**—Denatured, 250 bbls., C. Estevas, Arcibo

**ALOES**—100 cs., Suzarte & Whitney, Curacao; 40 cs., Selma Merc. Corp., Curacao

**AMMONIUM**—Muriate, 299 cks., Kuttroff Pickhardt & Co., Rotterdam

**ANTIMONY**—Oxide, 100 bgs., Order, Newcastle on Tyne; 185 cks., S. Fullwood, Newcastle on Tyne

**ARGOLS**—464 bgs., Royal Bkg. Powder Co., Buenos Aires; 87 bgs., Royal Bkg. Powder Co., Catania

**ARSENIC**—300 cs., Meteor Products Co., Tokyo; Sulfide, 20 cks., L. H. Butcher Co., London

**BALSAM**—Copaiba, 60 cs., Order, Para

**BARIUM**—142 cks., Order, Rotterdam; Chloride, 63 bbls., Order, Antwerp

**BARK**—81 bgs., A. Stallman & Co., Hamburg; 42 bgs., Peck & Velsor, Hamburg; Condurango, 108 bgs., Ultramarcs Corp., So. Pacific Ports

**BARYTES**—155 bgs., L. A. Salomon & Bros., Hamburg; 500 bgs., N. Y. Trust Co., Bremen; 62 cks., A. Grantoff, Rotterdam

**CALCIUM**—Chloride, 157 drs., Coal & Iron Nat. Bk., Hamburg

**CAMPOR**—89 cks., Order, Hamburg; 200 cs., Hetherman & Co., Shanghai; 500 cs., Suzuki & Co., Kobe

**CASEIN**—417 bgs., West Virginia Pulp & Paper Co., Buenos Aires; 885 bgs., Kalb-Reisch Corp., Buenos Aires

**CHALK**—500 tons Taintor Trdg. Co., London; 500 tons, Baring Bros. & Co., London; 100 bgs., C. B. Richard & Co., London; 834,000 kilos, Taintor Trdg. Co., Dunkirk; 1,600 bgs., Order, Antwerp

**CINCHONIDINE**—20 cs., R. W. Greeff & Co., Rotterdam; 5 cs., Order, Rotterdam

**CINCHONINE**—2 cs., R. W. Greeff & Co., Rotterdam

**COCHINEAL**—38 bgs., W. E. Peck & Co., Havre; 22 bgs., Lanman & Kemp, Liverpool; 4 cks., Geigy Co., Havre; 8 cks., Amer. Exch. Nat. Bk., Rotterdam; **Bronze Powder**, 20 cs., T. Riessner, Bremen; 44 cs., Rendheim & Hochreuter, Bremen; 2 cs., Union Trust Co., Bremen; 9 pgs., Amer. Exp. Co., Rotterdam; Coal Tar, 14 cks., H. A. Metz & Co., Rotterdam; Earth, 25 cks., A. Northridge, Bremen

**CREOSOTE**—Coal Tar Distillate, 100 bbls., Merck & Co., Hull

**DEXTRINE**—100 bgs., Spier Simmons & Co., Rotterdam

**DIVI DIVI**—750 bgs., R. Desvernine, Pam-patar

**ERGOT**—100 bbls., M. Cernosija, Trieste; Rye, Parke, Davis & Co., Hamburg

**EXTRACT**—Archil Liquor, 8 cks., W. A. Ross Bros., Liverpool

**FLOWERS**—Burdock, 47 bbls., Banque Belge Pour l'Etranger, Antwerp; **Chrysanthemum**, 13 bbls., Bk. of Amer. Trieste; **Mallow**, 3 bbls., Banque Belge Pour l'Etranger, Antwerp; Pyrethrum, 50 bbls., Amer. Exch. Nat. Bk., Kobe

**FORMALDEHYDE**—Hydrosulfite 26 cans, Intern. Merc. Marine Co., Havre; 50 drs., E. Ritter, Antwerp

**GALLNUIS**—42 cs., Zinsser & Co., Shanghai

**GELATINE**—145 cs., P. Puttmann Rotterdam; 25 bbls., Booth & Co., Liverpool

**GLUE**—200 bgs., Globe Shpg. Co., Hamburg; 100 bgs., Order, Hamburg; 240 bgs., Pfaltz & Bauer, Antwerp; 20 bgs., Natl. Gum & Mica Co., Bordeaux; 80 bbls., Brit. Bk. of So. Amer., Antwerp; 24 bbls., M. Miller, Antwerp; 188 bgs., J. Dick, Trieste

**GLUESTOCK**—22 bbls., S. Rosenfelder & Son, Havre

**GLYCERIN**—20 drs., Order, Hamburg; 48 cks., Order, Barcelona

**GUMS**—30 cs., D. Aboudi, Bombay; 8 bgs., Thurston & Braidich, Marseilles; 222 pgs., Order, Port Adelaide; **Arabic**, 100 bgs., Order, Hamburg; **Copal**, 200 bgs., Hale & Son, Antwerp; 68 bgs., Chem. Nat. Bk., Antwerp; **Damar**, 49 bgs., S. Winterbourne & Co., London; 192 bgs., Brown Bros. & Co., Singapore; 200 cs., Order, Batavia; **Karaya**, 49 bgs., Mech. & Metals Nat. Bk., Bombay; **Kauri**, 114 cs., 225 sks., Chem. Nat. Bk., Auckland; 210 pgs., Brown Bros. & Co., Auckland; 353 cs., Baring Bros. & Co., Auckland; 50 cs., Equit. Trust Co., Auckland; 50 cs., 185 sks., Guaranty Trust Co., Auckland; 1,106 pgs., Order, Auckland; **Olibanum**, 45 cs., Brown Bros. & Co., Bombay; **Perilla**, 173 bbls., W. Wrigley Jr. & Co.,

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**HERBS**—27 cs., Lekas & Drivas, Calamata  
**INSECT POWDER**—85 bbls., Chatham & Phenix Nat. Bk., Trieste

**IRON OXIDE**—25 cs., J. A. McNulty, Liverpool; 70 cs., Reichard Coulston Inc., Liverpool; 4 cs., Interstate Chem. Co., London; 250 bbls., C. J. Osborn Co., Malaga; 218 bbls., Reichard Coulston Co., Malaga; 80 bbls., J. Lee Smith & Co., Malaga; 46 bbls., L. H. Butcher & Co., Malaga; 166 bbls., Order, Malaga

**JUICE—Lime**, 70 cs., F. B. Vandegrift & Co., Dominica; 11 cs., 1 bbl. Perry Ryer & Co., Dominica; 73 cs., Colonial Bk. of London, St. Lucia; 10 cs., Park Benziger & Co., St. Lucia; 10 cs., Middleton & Co., St. Lucia; 7 cs., C. F. Darrell & Co., St. Lucia; 20 cs., Perry Ryer & Co., St. Lucia; 14 cs., Order, St. Lucia; 11 cs., R. Desverneine, Martinique; 10 cs., Gillespie & Co., Martinique; 70 cs., F. B. Vandegrift & Co., Dominica; 10 cs., Perry Ryer & Co., Dominica; 2 cs., Gillespie & Co., Dominica; **Paw Paw**, 36 pgs., Carter Cummings Co., Colombo

**LAMP BLACK**—30 cs., A. Hurst & Co., Rotterdam

**LEAVES—Gayuba**, 476 bgs., Order, Alicante; **Henbane**, 10 bbls., Banque Belge pour l'Etranger, Antwerp; **Sage**, 47 bbls., Equit. Trust Co., Trieste; **Senna**, 70 bbls., Order, Colombo

**MAGNESITE**—101 cs., Speiden Whitfield Co., Rotterdam; 125 cs., 40 bbls., Speiden Whitfield Co., Rotterdam

**MANURE SALT**—363,033 kilos, Potash Imp. Corp., Hamburg

**MYROBALANS**—7,701 pkts., Order, Calcutta

**MENTHOL**—5 cs., McKesson & Robbins, London

**OILS—Cod**, 378 cs., Bowring & Co., St. Johns; 25 cs., Bowring & Co., St. Johns; 100 cs., Order, St. Johns; **Codliver**, 25 bbls., S. B. Penick & Co., Christiania; 25 bbls., Order, Christiania; **Palm**, 30 bbls., 21 cs., 32 drums Order, Liverpool; 437 cs., Order, Rotterdam; **Kernel**, 45 cs., Order, Hull; 118 drs., Order, Liverpool; **Rape**, 780 bbls., Order, Hull; 50 bbls., W. B. Dick & Co., London; **Sesame**, 150 bbls., Order, Copenhagen; **Sulfur Olive**, 100 bbls., Brown Bros. & Co., Bari; 100 bbls., Leghorn Trdg. Co., Bari; 600 bbls., Phila. Nat. Bk., Bari; **Wood**, 10 cs., Jardine Matheson & Co., Hankow; 60 bbls., Mitsui & Co., Hankow; 430 bbls., Order, Hankow; 12 cs., McAndrews & Forbes Co., Shanghai

**OILS—Essential**, 2 drs., G. Lueders & Co., Malaga; 14 cs., Brown Bros. & Co., London; 3 cs., Order, London; 4 drs., Guaranty Trust Co., Batavia; 4 drs., Order, Batavia; 19 cs., Roure Bertrand Fils, Southampton; **Camphor**, 100 drs., Orbis Products Trdg. Co., Kobe; **Caraway**, 2 cs., Order, Hamburg; **Cassia**, 5 drs., Amer. Exch. Nat. Bk., Hongkong; 20 cs., Order, London; **Citronella**, 12 drs., Volkart Bros., Colombo; **Copaiba**, 1 cse., C. T. Wilson & Co., Para; **Fusel**, 19 drs., Witbeck Chem. Corp., Antwerp; **Juniper Berry**, 1 bbl., Chem. Nat. Bk., Rotterdam; **Lime**, 17 cs., 1 carboy, Park Benziger & Co., St. Lucia; 6 cs., Order, St. Lucia; 4 cs., R. Desverneine, Martinique; 2 drs., Gillespie & Co., Martinique; 4 cs., G. Lueders & Co., Dominica; 1 cse., F. S. Maynard & Son, Dominica; **Orange**, 20 cs., Gillespie & Co., Kingston

**PALMYRA FIBER**—299 ballots, Amer. Exch. Nat. Bk., Cocanada

**PITCH**, 49 bbls., Order, Liverpool; **Montan**, 750 bbls., Strohmeyer & Arpe Co., Hamburg

**POTASSIUM SALTS**—18 cs., Order, Bremen; **Caustic**, 90 cs., Mallinckrodt Chem. Wks., Gothenburg; **Chlorate**, 500 cans, C. Hardy Inc., Havre; 1,050 ck., Seaboard Nat. Bk., Hamburg; **Permanganate**, 50 drs., Innes Speiden & Co., Hamburg; **Prussiate**, 12 cs., Mech. & Metals Nat. Bk., Antwerp; 26 kgs., Order, Liverpool

**QUICKSILVER**—100 bottles, Order, London; 100 bottles, Order, Trieste

**ROOT**—2 bgs., Peck & Velsor, Hamburg; 26 bbls., Order, Trieste; **Arrow**, 25 bbls., Middleton & Co., Barbados; **Gentian**, 81 bbls., Banque Belge pour l'Etranger, Bordeaux; 21 bbls., Order, Bordeaux; 120 bgs., P. E. Anderson, Antwerp; **Ipecac**, 2 bgs., Hollinghurst & Co., Panama; 21 bbls., Bk. of London & So. Amer., Bahia; 52 lbs., Amsinck, Sonne & Co.,

Bahia; 11 bgs., Order, Bahia; **Licorice**, 150 bgs., A. W. Mann Inc., Smyrna; Orris, 5 cs., 43 bgs., Order, Leghorn

**SEEDS—Anise**, 100 bgs., Order, Malaga; **Annatto**, 21 bgs., Nat. City Bk., Rio de Janeiro; 250 bgs., Order, Batavia; **Caraway**, 500 bbls., R. J. Sassoon & Co., Rotterdam; 500 bbls., Calderon Bros., Rotterdam; 100 bgs., Irwin Harrison & Crossfield, Rotterdam; 200 bgs., Amer. Hawaiian S. S. Co., Rotterdam; 200 bgs., French Kreme Co., Rotterdam; 100 bgs., Vulcan Imp. Co., Rotterdam; **Cardamom**, 10 cs., Bk. of Amer., Bombay; **Castor**, 24 bgs., S. L. Brinley, Port au Prince; 9,560 bgs., Volkart Bros., Cocanada; 9,852 bgs., Volkart Bros., Bombay; 3,234 bgs., Order, Peru; 24 bgs., Huttlinger & Struller, Port de Paix; 52 bgs., J. L. Hachtmann & Co., Port de Paix; **Coriander**, 58 bbls., H. B. Old & Co., Marseilles; **Cumin**, 196 bgs., Internat'l Bkg. Corp., Bombay; 261 bgs., Order, Marseilles; 150 bgs., J. J. Toledano & Co., Trieste; **Fennugreek**, 224 bgs., P. E. Anderson, Antwerp; **Mustard**, 200 bgs., Bk. of Amer., Bombay; 223 bgs., Order, Copenhagen; 600 bgs., Mech. & Metals Nat. Bk., Catania; 600 bgs., Order, Catania; **Poppy**, 100 bgs., Doptoglin Bro., Rotterdam; 207 bgs., C. M. Van Silevoldt, Rotterdam; 200 bbls., French Kreme Co., Rotterdam; 100 bgs., C. E. Armstrong, Rotterdam; **Rape**, 300 vls., Karr Ellis & Co., Rotterdam; 100 bbls., Nungesser Dickinson Seed Co., Rotterdam; 100 bgs., Order, Rotterdam; **Sesame**, 600 bgs., Wah Chang Trdg. Corp., Shanghai

**SHELLAC**—37 cs., C. F. Gerlach, Rotterdam; 250 bgs., Marx & Rawolle, Calcutta; 1,750 cs., Order, Calcutta; 150 bgs., Brown Bros. & Co., Calcutta; 175 bgs., Standard Bk. of So. Africa, Calcutta; 1,101 bgs., Order, Calcutta; **Garnet**, 32 bgs., Irving Bk., Hamburg; 131 cs., Order, Hamburg; 550 bgs., First Nat. Bk. of Boston, Calcutta; **Refuse**, 10 bgs., Order, Calcutta; **Seed Lac**, 80 bgs., Marx & Rawolle, Calcutta; 518 bgs., Order, Calcutta; 140 bgs., Marx & Rawolle, Calcutta; 1,123 bgs., Order, Calcutta

**SODIUM SALTS—Caustic**, 20 cs., W. F. Eissing, Gothenburg; **Cyanide**, 60 cs., Amer. British Chem. Co., Liverpool; 112 cs., Order, Liverpool; **Fluoride**, 42 cs., Innis Speiden & Co., Rotterdam; **Nitrate**, 760 bgs., Order, Christiania; 6,873 bgs., Anthony Gibbs & Co., Iquique; **Peroxide**, 1 cse., C. Hardy Inc., Havre; **Prussiate**, 22 cs., Order, Liverpool; **Sulphhydrate**, 132 drs., C. S. Grant & Co., Rotterdam

**TALC**—200 bgs., Kountze Bros., Genoa

**TAPIOCA—Pearl**, 387 bgs., Order, Penang

**TARTAR**—216 bgs., Harshaw Fuller & Goodwin, Marseilles

**TEA WASTE**, 2,025 bgs., Monsanto Chem. Wks., London

**WAX**—50 cs., Amer. Exch. Nat. Bk., Havre; **Bees**, 25 sks., Guaranty Trust Co., Valparaiso; **Carnauba**, 40 bgs., Bk. of London & So. Amer., Bahia; 247 bgs., Order, Pernambuco; **Montan**, 375 bgs., Strohmeyer & Arpe Co., Hamburg; **Vegetable**, 100 cs., Mitsui & Co., Kobe; 100 cs., H. R. Lathrop & Co., Kobe

**WHITING**—200 bgs., C. B. Chrystal Co., Bremen; 2000 bgs., L. Scott Libby Corp., Havre

**WITHERITE**—580 bgs., L. Scott Libby Corp., Newcastle on Tyne; 200 tons, Order, Newcastle on Tyne

**WOOD FLOUR**—136 bbls., B. L. Soberski, Gothenburg; 847 bbls., B. L. Soberski, Gothenburg; 1,900 bgs., B. L. Soberski, Christiania; 2,080 bgs., Order, Copenhagen

**WOOL GREASE**—100 bbls., Order, Bremen; 574 bgs., Standard Bank of So. Africa, ZINC—Oxide, 150 bbls., Philipp Bros., Antwerp

## IMPORTS AT BOSTON

Sept. 27 to Oct. 4

**ALUMINA**—80 casks, Order, Astworp

**COAL TAR—Distillate**, 56 drums, Lever Bros., Liverpool

**GLUE**—1,219 pkgs., T. M. Duche & Sons, Antwerp

**CHALK—Oxide**, Brown Bros. & Co., Antwerp

**IRON OXIDE**—24 casks, Order, Liverpool

**OILS—Cod**, 680 casks, Order, St. Johns; **Sod**, 80 casks, James S. Bent, Liverpool

**TRAGASOL**—55 bbls., J. B. Marston & Co., Liverpool

## IMPORTS AT PHILADELPHIA

Sept. 25 to Oct. 1

**CHALK**—300 tons, Brown Bros. & Co., London  
**AMMONIUM CHLORIDE**—98 casks, Order, Rotterdam

**BARYTES**—714,970 kilos, Phila. Nat. Bank  
**FULLER'S EARTH**—250 bags, L. A. Salomon & Bro., London

**GLYCERIN—Crude**, 200 drums, Order, Liverpool

**LIME—Hydrate**, 200 bags, Order, Bristol

**SAL AMMONIAC**, 34 casks, Order, Hamburg

**SODIUM—Prussiate**, 43 casks, O. Tennant Sons & Co., Liverpool

**SPICES—Mustard**, O. Murphy & Co., London

## IMPORTS AT BALTIMORE

Sept. 27 to Oct. 4

**CHALK**—500 bags, Reichard Coulston, Missouri, Antwerp

**DRUGS—Botanical**, 2 bags, to order, Spain Maru, Hamburg

**EPSOM SALT**—400 casks, 50,820 lbs., Brown Bros. & Co., Spain Maru, Hamburg

**LICORICE ROOT**—12 sacks, MacAndrews & Forbes Co., River Orantes, Alexandretta; 11,700 bales, MacAndrews & Forbes Co., River Orantes, Smyrna; 2,860 bales, MacAndrews & Forbes Co., River Orantes, Alexandretta

**OIL—Lubricating**, 10 casks, to order, Adalia, Hamburg; **Sod**, 12 casks, James S. Bent & Co., Rextmore, Liverpool

**PEPPER—Black**, 400 bags, McCormick & Co., Burgerdijk, Rotterdam

**POTASH**—102 bbls., (114,250 lbs.), Innes, Speiden & Co., Inc., Spain Maru, Hamburg; 66 bbls., 59,301 lbs., F. H. Shallus Co., Spain Maru, Hamburg; 222 casks, (195,076 lbs.), F. H. Shallus Co., Spain Maru, Hamburg; **Chlorate**, 500 casks (63,800 lbs.), Irving Bank, New York, Spain Maru, Hamburg; **Kainit**, 1,225 tons, French Potash Syndicate, Elsasier, Antwerp; 501,666 lbs., F. H. Shallus Co., Spain Maru, Hamburg; 198,297 lbs., F. H. Shallus Co., Spain Maru, Hamburg; 1,505,163 lbs., F. H. Shallus Co., Spain Maru, Hamburg; **Manure Salt**, 3,130 tons, French Potash Syndicate, Elsasier, Antwerp; **Muriate**, 16,850 bags (3,416,116 lbs.), F. H. Shallus Co., Spain Maru, Hamburg; 15,250 bags (2,612,304 lbs.), F. H. Shallus Co., Spain Maru, Hamburg; 16,600 bags (3,200,000 lbs.), French Potash Syndicate, Elsasier, Antwerp; **Sulphate**, 3,000 bags (602,844 lbs.), F. H. Shallus Co., Spain Maru, Hamburg; 750 bags (150,711 lbs.), F. H. Shallus Co., Spain Maru, Hamburg

**SAGE LEAVES**—19 bales, to order, Anna, Trieste; 47 bales, to order, Anna, Trieste; 32 bales, F. H. Shallus Co., Trieste

**SEED—Caraway**, 150 bags, F. H. Shallus Co., Burgerdijk, Rotterdam; **Rape**, 150 bags, F. H. Shallus Co., Burgerdijk, Rotterdam

## IMPORTS AT NEW ORLEANS

Sept. 26 to Oct. 3

**BORAX**—110 bbls., Order, Pacific Coast

**SEED—Coriander**, 11,075 lbs., Order, France

**SODIUM—Nitrate**, 3,670 tons, W. R. Grace & Co., Chile; 90 tons, Order, Norway

## IMPORTS AT SAN FRANCISCO

Sept. 20 to 27

**ALBUMEN**—31 casks, Pacific Mail Steamship Co., Balboa

**COPPER SULFATE**—40 bbls., L. H. Butcher, Hamturg

**COPRA**—9,198 bags, Burns, Philp & Co., Papeete; 257 bags, O'Connor, Harrison & Co., Papeete; 300 tons, O'Connor, Harrison & Co., Papeete

**GRAPHITE**—2 bags, Francisco Snastequi, Guaymas

**OIL—Citronella**, 6 drums, Order, Hongkong; **Peanut**, Lucien Chong, Hongkong

**SODA—Nitrate**, 9,879 bags, Wessel Duval & Co., Iquique; 1,372 bags, Balfour Guthrie & Co., Iquique

**POTASSIUM SALTS—Alum**, 40 casks, Order, Hamburg

**SULFITE CELLULOSE**—1,525 bales, Order, Gothenburg

**SPICES—Cinnamon**, 100 bales, Order, Hongkong; **Ginger**, 19 cases, Kwong Lee, Hongkong; 12 cases, Order, Hongkong; 32 bags, the Colonial Bank, Kingston

**TAPIOCA—Pearl**, 250 bags, Order, Port Swettenham; 204 bags, Order, Batavia

**WHITING**—482 casks, Agency of the East Asiatic Co., Inc., Hamburg

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To INSIST upon Calco Intermediates is to protect yourself against inferior results.

## BENZOL DERIVATIVES

Calco Aniline Oil  
 Calco Oil of Myrbane  
 Calco Nitrobenzene  
 Calco Dinitrobenzene  
 Calco Dimethylaniline  
 Calco Aniline Salt  
 Calco Sulphanilic Acid

## NAPHTHALENE DERIVATIVE

Calco Beta Naphthol

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| The Roessler & Hasslach Chemical Co. | 4th cover  |
| Rogers & McClellan                   | 1133       |
| Rohm & Haas Co.                      | 1031       |
| Rolls Chem. Co.                      | 1134       |
| Ross-Gould Co.                       | 1134       |
| Seaboard Chemical Co.                | 1088       |
| The Selden Co.                       | 1113       |
| E. M. Sergeant Co.                   | 1041       |
| Solvay Process Co.                   | 1115       |
| Steel Drum & Barrel Co.              | 1058       |
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| The White Tar Aniline Corp.          | 1009       |
| Whitelaw Bros. Chem. Co.             | 1133       |
| Wing & Evans                         | 1115       |
| Isaac Winkler & Bros. Co.            | 1129       |
| Wishnick-Tumpeper Chem. Co.          | 1132       |





## Exit Expert— Enter Plumber

A good story is told at the expense of John Semper, acknowledged one of the foremost authorities on chemical production. He came to this country in the early days of the Harrison Company (now du Pont) to build an acid plant. But when it was finished—it wouldn't work! So they sent for Dave Miller, a "chemical plumber" by trade. Dave got busy with his tools and in a short time the plant was running in good order.

Which only goes to prove that it takes a combination of talents, both theoretical and practical knowledge, to create success. The expert's plans must be carried out by the practical worker.

It is this practical application of the theory of co-operation that has built the du Pont reputation in the field of commercial chemicals. We do more than produce chemicals and deliver them to our customers. We co-operate with our customers in the practical application of those chemicals to their own processes.

For this work is available the services of the du Pont staff of chemists and chemical engineers—one of the largest and finest in the world, prepared to give you the benefit of their many years of experience in solving all sorts of chemical problems.

**Acids: Sulphuric**  
*Chamber—Oil of Vitriol 66°—Oleum—  
Battery Acid*

**Acetic—Muriatic—Nitric—Mixed**  
*Lactic: Technical and Edible*  
**Anhydrous Sodium Sulphate**

**Sulphate of Alumina**  
*Commercial—Iron Free*

*Ammonia and Potash Alums, U.S.P.*

**Barium Chloride—Salt Cake—  
Strontium Nitrate—Lithopone  
—Dry Colors**

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**CHEMICALS**

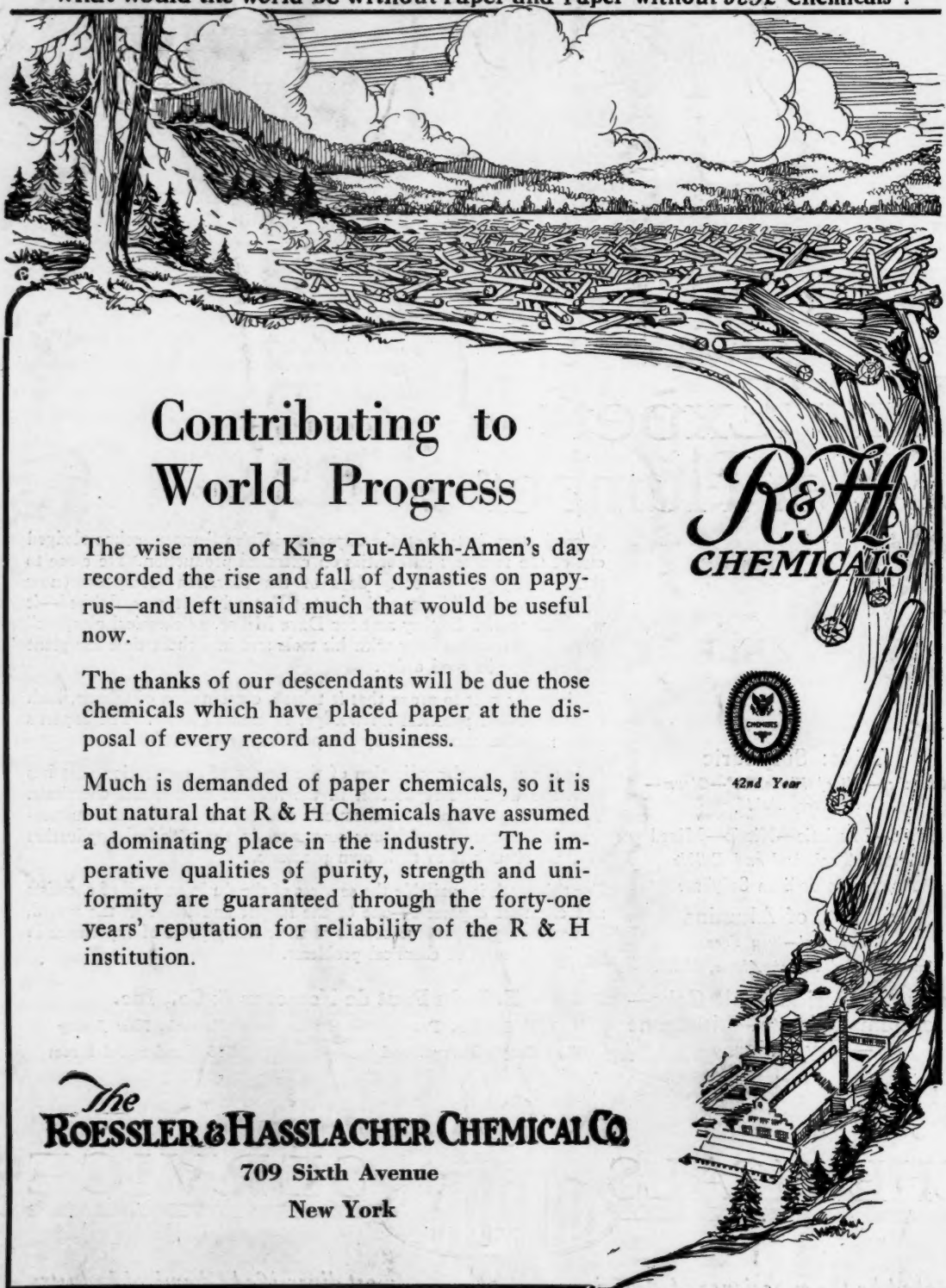


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The thanks of our descendants will be due those chemicals which have placed paper at the disposal of every record and business.

Much is demanded of paper chemicals, so it is but natural that R & H Chemicals have assumed a dominating place in the industry. The imperative qualities of purity, strength and uniformity are guaranteed through the forty-one years' reputation for reliability of the R & H institution.

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